

APNIC EC Meeting Minutes

Online meeting

Monday, 21 June 2021, 11:10 – 14:43 (UTC +10)

Tuesday, 22 June 2021, 11:10 – 15:53 (UTC +10)

Meeting started at 11:10 (UTC +10), Monday, 21 June 2021

Present

Gaurab Raj Upadhaya, EC Chair

Kam Sze Yeung

Kenny Huang, Treasurer

Paul Wilson, Director General

Sumon Ahmed Sabir

Vincent Achie Atienza, Secretary

Yoshinobu Matsuzaki

Feng Leng

Connie Chan, Senior Executive Assistant (minutes)

Craig Ng, General Counsel

Richard Brown, Business Director

Sanjaya, Deputy Director General

Nathan Harvey, Finance Director

Apologies

Nil

Agenda

1. Opening of meeting and declaration of quorum
 2. Agenda bashing
 3. Declaration of interests
 4. Review of minutes of last meeting and record of circular resolutions passed since the last meeting
 5. Matters arising from the last meeting
 6. EC Chair update
 7. WH&S update
 8. Financial reports
 9. Secretariat report
 10. APNIC Foundation annual report
 11. Review of Non-Member and historical resource holders' structure
 12. APIDT update
 13. Elections at APNIC 52
 14. APNIC office space
 15. Risk register
 16. Any other business
 17. Next EC meeting
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Minutes

1. Opening of meeting and declaration of quorum

The Chair of the Executive Council (EC Chair) welcomed all attendees to the meeting. The EC Chair declared the meeting open at 11:10 (UTC +10) on Monday, 21 June 2021, and noted that a quorum was present.

2. Agenda bashing

The EC Chair called for comments on the agenda. There were no new agenda items raised.

3. Declaration of interests

The EC Chair asked the EC members to review the Register of Interests (attached), declare any potential conflicts of interests, and for any such declaration to be recorded in the minutes.

The EC Chair noted that he had a new job title and would advise the Secretariat of the official title shortly.

Vincent Achie Atienza noted that he had added two additional entries to the Register of Interests.

All other EC members present confirmed their entries in the Register of Interests were complete and correct.

4. Review of minutes of last meeting and record of circular resolutions passed since the last meeting

The following circular resolutions (that require the agreement of all EC members who are entitled to vote on the resolution) were passed by the EC during the period between the last EC meeting and this meeting and are recorded in these minutes for completeness.

Resolution 2021-14: The EC resolved to adopt the minutes of the EC meeting of 22 February and 4 March 2021.

Resolution 2021-15: The EC resolved to endorse the adoption of policy proposal prop-133: Clarification on Sub-Assignments.

5. Matters arising from the last meeting

The following matters from the previous meetings were completed:

Action item 2021-02: Duncan Macintosh to convey thanks to the Foundation Board on behalf of the APNIC EC.

The following matters from the previous meetings will be covered in the agenda:

[Confidential information redacted]

6. EC Chair update

The EC Chair provided some highlights since the EC meeting in February. He noted that there had not been much to report since the last meeting.

He reminded the EC to complete the annual WHS compliance training by the due date.

He noted that the recent Community Leaders Meeting was successful and extended a sincere thank you to everyone who participated in the meeting.

The Chair noted that the ASO AC had selected Alan Barrett to serve for a three-year term in Seat 9 of the ICANN Board of Directors. He will begin his term at the conclusion of the ICANN 72 meeting scheduled to take place from 23 to 28 October 2021 in Seattle, USA.

7. WH&S update

Kam Sze Yeung spoke to the Workplace Health and Safety quarterly update.

8. Financial reports

Irene Chan joined the meeting for this agenda item.

Richard Brown spoke to the financial report presentation (attached).

The EC considered the monthly financial report and the investment report for May 2021 (attached). The EC noted that APNIC is solvent and able to meet all current debts.

The May financial report highlights a net surplus of AUD 3M to date, with revenue tracking very close to the budget and expenses tracking at 8% under the budget forecast. At the end of May 2021, APNIC had a total of 8,524 Members serving 53 economies.

[Irene Chan left the meeting at 12:07 (UTC +10)]

Meeting adjourned at 12:07 (UTC +10), Monday, 21 June 2021

Meeting resumed at 12:30 (UTC +10), Monday, 21 June 2021

9. Secretariat Report

Tony Smith joined the meeting for this agenda item.

The Director General spoke to the Secretariat Report (attached).

The EC discussed several items in the Secretariat Report at length.

The Director General then presented the HR report.

[Tony Smith left the meeting at 13:58 (UTC +10)]

10. APNIC Foundation annual report

Duncan Macintosh joined the meeting for this agenda item.

Duncan Macintosh spoke to the APNIC Foundation Annual Report (attached).

The EC discussed the due diligence on the APNIC Foundation board candidate.

[Confidential information redacted]

Resolution 2021-17: The EC resolved that each of: (1) Sylvia Efi Widyantari Sumarlin; (2) Sharad Kumar Sanghi; (3) Danish Ali Lakhani; (4) Jun Murai; and (5) Craig Ng be appointed as a director of APNIC Foundation Limited (incorporated in Australia), subject to each of them first consenting and agreeing to be so appointed, and that Paul Wilson be authorized to sign any document or resolution on behalf of APNIC Pty Ltd to give effect to this resolution.

Motion proposed by Kenny Huang; seconded by Sumon Ahmed Sabir. Passed unanimously.

Resolution 2021-18: The EC resolved to approve the entry by APNIC of the Affirmation of Commitments between APNIC and the APNIC Foundation Limited (Hong Kong and Australia), in the form substantially similar to the document tabled at the meeting.

Motion proposed by Yoshinobu Matsuzaki; seconded by Vincent Achie Atienza. Passed unanimously.

[Duncan Macintosh left the meeting at 14:43 (UTC +10)]

Meeting adjourned at 14:43 (UTC +10), Monday, 21 June 2021

Meeting resumed at 11:10 (UTC +10), Tuesday, 22 June 2021

11. Review of Non-Member and historical resource holders' structure

Karla Skarda joined the meeting for this agenda item.

Sanjaya spoke to the implementation plan presentation for migrating historical resource holders to APNIC Members or Non-Members.

The EC requested the Secretariat to provide more details about the size of the address holdings of the historical holders, and would continue the discussion at the next EC meeting.

[Karla Skarda left the meeting at 11:55 (UTC +10)]

12. APIDT update

The Director General spoke to the APIDT update presentation (attached).

13. Elections at APNIC 52

Craig Ng spoke to the election procedures at APNIC 52 (attached).

The EC noted that they were keen to consult the community leaders at the next meeting about the SIG chairs election procedures. They noted that APNIC could consider

resuming to the previous procedures by a count of a show of hands of those present at the meeting when face-to-face meetings are resumed.

Meeting adjourned at 12:48 (UTC +10), Tuesday, 22 June 2021

Meeting resumed at 13:10 (UTC +10), Tuesday, 22 June 2021

Resolution 2021-19: The EC resolved to appoint Kuo Wei Wu as Election Chair, Connie Chan and Andre Gelderblom of the APNIC Secretariat as Election Officers for the NRO NC election, and Sunny Chendi of the APNIC Secretariat as Election Officer for the SIG Chairs and IANA RC election, and endorse the APNIC 52 NRO NC, SIG Chairs and IANA RC election procedures, as set out in the document presented to the EC.

Motion proposed by Kenny Huang; seconded by Yoshinobu Matsuzaki. Passed unanimously.

14. APNIC office space

Richard Brown spoke to the office space update presentation (attached).

The EC considered the recommendations for the Secretariat's long-term accommodation options, and agreed to set up a property sub-committee to pursue the sale of 6 Cordelia Street and review opportunities before the next EC meeting.

15. Risk register

Richard Brown spoke to the risk register presentation.

The EC noted the priority risks, and considered the suggested changes to the current risk register for better integration with the strategic and operational plans.

Action item 2021-04: The Secretariat to update the risk register.

16. Any other business

The EC Chair called for any other business.

a. Whois data incident

Anton Strydom joined the meeting for this agenda item.

Sanjaya spoke to the bucket incident report.

The EC discussed the root cause of the incident at length, and considered possible improvements to the current process.

[Anton Strydom left the meeting at 15:08 (UTC +10)]

b. EC satisfaction survey

The Director General noted that one of the KPIs in 2021 was the EC satisfaction level. The Secretariat had drafted some questions and were planning to launch an EC satisfaction survey after APNIC 52.

Action item 2021-05: The Secretariat to share the EC satisfaction survey with the EC.

c. Topics for the Community Leaders Meeting

Sanjaya spoke to the online community platform project presentation (attached). The aim of this project was to explore and adopt a more modern technology that would eventually replace the mailing lists.

The EC welcomed the approach and agreed to take part in the trial.

The EC then discussed the agenda for the upcoming Community Leaders Meeting.

d. ELMO claim

The Director General updated the EC on the claim by ELMO Software Limited that was in connection to the contract for the introduction of the HRIS system that was terminated by APNIC.

Craig Ng noted that APNIC would defend the claim, with a counterclaim.

The EC noted that APNIC's exposure is minimal and not material.

e. Sub-committees

The EC Chair noted that the property sub-committee would be re-enacted to work with the Director General to consider accommodation options for APNIC. The sub-committee members are Gaurab Raj Upadhaya, Kenny Huang and Paul Wilson.

The EC Chair appointed Kenny Huang to serve as the APNIC EC Observer to the NRO EC.

The EC Chair also noted that he would be nominating some EC members to join this year's ISIF Asia grants committees.

f. Update on other RIRs

The Director General and Craig Ng provided an update on the recent legal matters related to AFRINIC.

The Director General also noted the recent matter affecting a staff member of RIPE NCC in Ukraine.

17. Next EC meeting

The next EC meeting is tentatively scheduled for 7-8 September 2021. The EC Chair had called for volunteers to serve as Meeting Chair for the next meeting.

Meeting closed at 15:53 (UTC +10), Tuesday, 22 June 2021

Attachments:

- A. Register of interest**
- B. [Confidential information redacted]**
- C. May 2021 financial report presentation**
- D. May 2021 monthly financial report**
- E. May 2021 Credit Suisse investment report**
- F. May 2021 Credit Suisse commentary**
- G. Secretariat report and presentation**
- H. [Confidential information redacted]**
- I. APNIC Foundation Annual Report presentation**
- J. Affirmation of Commitments between APNIC and APNIC Foundation**
- K. [Confidential information redacted]**
- L. APIDT update presentation**
- M. APNIC 52 election procedures**
- N. Office space update presentation**
- O. [Confidential information redacted]**
- P. [Confidential information redacted]**
- Q. Online community platform project presentation**

Agenda Item 3

Declaration of Interests

APNIC EC Register of Interests

Declaration of interests of EC members

This register records the interests of EC members, which may conflict with the EC members' duties to APNIC. This register is accurate as at **21 June 2021**.

Gaurab Raj Upadhaya declared that he currently holds the following positions:

- Employee of Amazon as the Principal for Infrastructure/IP Strategy Development
- Founder of the Nepal Research and Education Network (NREN)
- Chairman of Nepal Internet Exchange (NPIX)
- Standing member of the Program Committee of SANOG
- Board Member of Internet Foundation Nepal

Kam Sze Yeung declared that he currently holds the following positions:

- Member of the HKNOG Program Committee
- Employee of Akamai Technologies, Inc
- Member of the Working Group of Peering Asia
- Member of the TWNOG Multi-stakeholder Steering Group (MSG)

Kenny Huang declared that he currently holds the following positions:

- Managing Director and CEO of TWNIC
- Member of the Advisory Council of [DotAsia](#) Organization

Yoshinobu Matsuzaki declared that he currently holds the following positions:

- Employee of Internet Initiative Japan Inc. (IIJ) as a Senior Engineer
- Board of Director of JPNIC
- Board of Director of APNOG/APIA
- Member of JANOG Committee
- Technical Advisor of JPCERT/CC
- Contact person at IIJ Europe (RIPE member) for RIPE
- Ph.D. student of Keio University Graduate School of Media Design
- TAC (Technical Advisory Council) of Team Cymru, Inc.

Feng Leng declared that he currently holds the following position:

- Employee of CNNIC as Director of Operation Management Department

Vincent Achie Atienza declared that he currently holds the following positions:

- Employee of Globe Telecom
- Chair of the Philippine Network Operators Group ([PhNOG](#))
- Board member of Internet Society Philippines (ISOC-Ph)
- Member of Ph Technical working group for IPv6 & DNSSEC
- Member of Ph Technical working group for RPKI
- Member (Ph Representative) - APIX - Asia Pacific Internet Exchange Association)

- Member/Evangelist - Philippine Open Internet eXchange ([PhOpenIX](#))
- Member of the Program Committee of APRICOT
- Program Committee Member - Asia Peering Forum (Equinix) 2021
- Program Committee collaborator - ISOC-PhNOG initiatives 2021

Sumon Ahmed Sabir declared that he currently holds the following positions:

- CTO, Fiber@Home Limited
- Sponsor of BDCOM Online Limited
- Member, Board of Trustee, BDIX
- Member, Board of Trustee, BDNOC
- Member, Corecom, SANOG
- Member, Board of Trustee, ISOC, Bangladesh, Dhaka Chapter

Paul Wilson declared that he currently holds the following position:

- Director of APNIC Foundation Limited
- Director of APIDTT Pty Ltd
- Director of APIDT Infrastructure Pty Ltd

Agenda Item 8

Financial reports

Finance Presentation APNIC EC Meeting

June 2021

Financial Performance

Year to date May 2021

All dollar amounts are denominated in Australian dollars

APNIC



Financial Highlights YTD May 2021

- Equity Position increased by 9% to date in 2021 ✓
- 2021 Revenue forecast close to budget ✓
- 2021 Expenses forecast 8% below budget ✓
- 2021 Operating surplus forecast at \$3.1m ✓
- YTD Cash Flow +\$703k in 2021 ✓
- \$1.0M transferred to the Investment Portfolio ✓
- Activity expenditure below budget estimates due to COVID-19 restrictions ✓
- New Member Growth in line with budget estimates ✓

Statement of Financial Position

Amount (AUD)	31/05/2021	Year End 2020	Change	% Change
ASSETS				
Total Current Assets	14,754,771	13,204,960	1,549,812	12%
Total Non-Current Assets	38,579,986	38,091,979	488,006	1%
TOTAL ASSETS	53,334,757	51,296,939	2,037,818	4%
LIABILITIES				
Total Current Liabilities	14,542,624	15,474,451	-931,827	-6%
Total Non-Current Liabilities	1,599,491	1,645,605	-46,114	-3%
TOTAL LIABILITIES	16,142,115	17,120,056	-977,941	-6%
NET ASSETS/ TOTAL EQUITY	37,192,642	34,176,883	3,015,759	9%

All amounts in AUD – Australian Dollars

Statement of Financial Position

Net Equity position to 31 May 2021 has increased by 9% (\$3.0m)

- Current Assets increased by 12% \$1.5m
 - Increase in cash by \$700k
 - Membership renewals effect on receivables increased by \$900k
- Non-Current Assets increased by 1% \$488k
 - Increase in investment portfolio by \$643k
 - Reduction in Property & Equipment by \$155k

All amounts in AUD – Australian Dollars

Statement of Financial Position

- Current Liabilities decreased by 6% \$932k
 - Accounts Payable decreased by \$622k
 - Unearned Revenue decreased by \$503k
 - Members Prepaid fees decreased by \$514k
 - Non-members fees increased by \$10k
 - Staff Leave Provisions increased by \$193k
- Non-Current Liabilities decreased by 3% \$46k
 - Long Service Leave Provisions decreased by \$46k

All amounts in AUD – Australian Dollars

Financial Stability Measure

	*YTD 2021	*Actual 2020	Actual 2019
Total Equity (AUD)	\$37,192,642	\$34,176,883	\$30,724,702
% Equity Covered By Cash/ Cash Equivalents	117.4%	123.8%	116.9%
Daily Operating Expenses (AUD) *	\$69,873	\$66,374	\$62,944
Number of Months of expenses covered by Equity*	17.50	16.88	16.05

** Calculation is based on the average daily operating expenses of approved budget for 2020 and 2021, as it better reflects the APNIC operating cost base in a COVID-free course of business.*

All amounts in AUD – Australian Dollars

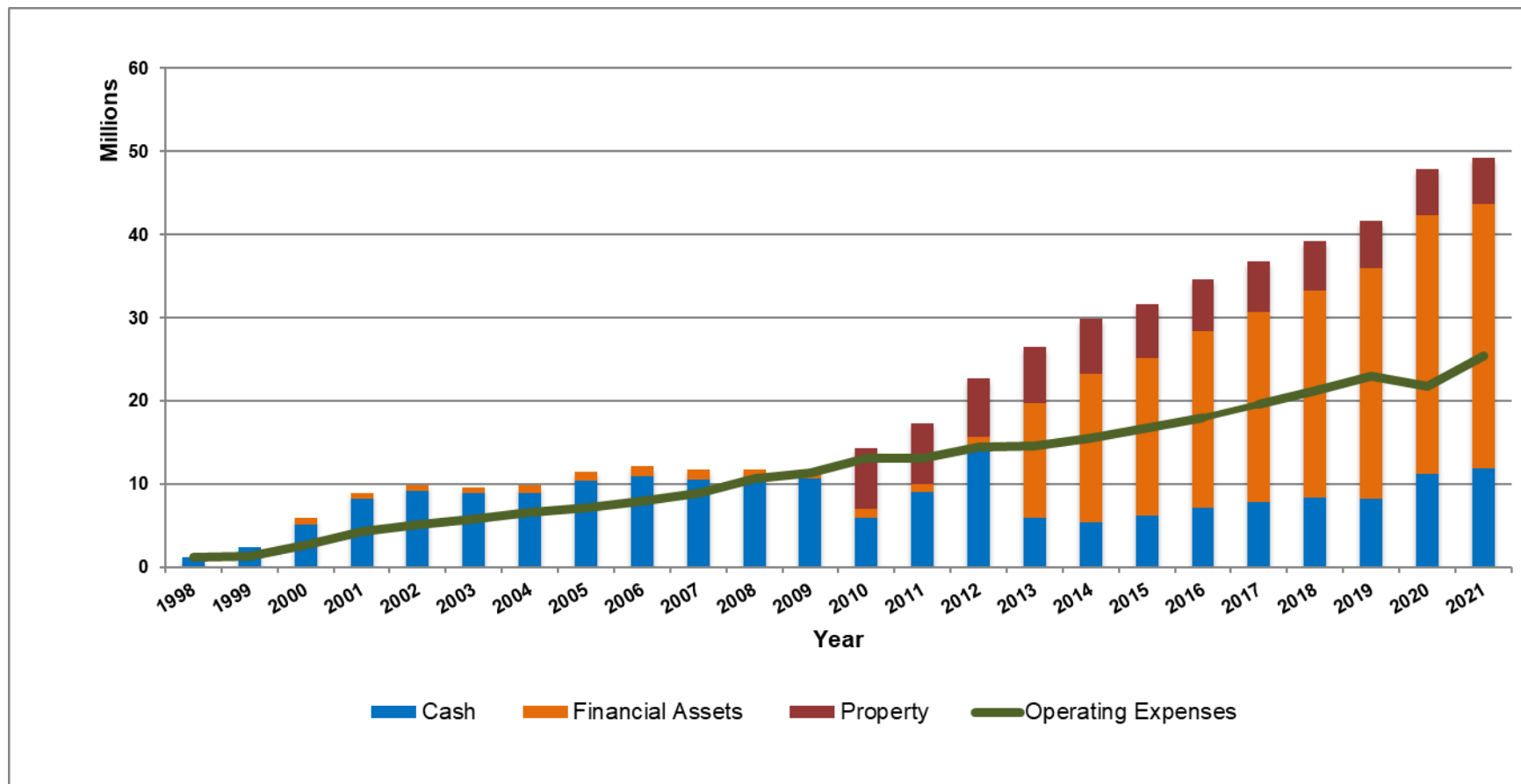
Financial Stability Measure

Analysis of Reserves	5.00%	7.50%	10.00%	12.50%	15.00%
Total Equity (AUD) Forecast - Dec 2021	\$37,794,165	\$37,794,165	\$37,794,165	\$37,794,165	\$37,794,165
% Equity Covered By Cash/ Cash Equivalents - Dec 2021	115.5%	115.5%	115.5%	115.5%	115.5%
Est Daily Operating Expenses (AUD) 2022 - Est 5% Increase over 2021	\$67,527				
Est Daily Operating Expenses (AUD) 2022 - Est 7.5% Increase over 2021		\$69,135			
Est Daily Operating Expenses (AUD) 2022 - Est 10% Increase over 2021			\$70,743		
Est Daily Operating Expenses (AUD) 2022 - Est 12.5% Increase over 2021				\$72,351	
Est Daily Operating Expenses (AUD) 2022 - Est 15% Increase over 2021					\$73,959
Total Expenses - Forecast 2022	\$24,647,478	\$25,234,323	\$25,821,168	\$26,408,013	\$26,994,857
Change to 2021 Expense Forecast	\$1,173,689	\$1,760,534	\$2,347,379	\$2,934,224	\$3,521,068
Number of Months of expenses covered by Equity*	18.40	17.97	17.56	17.17	16.80

**Equity position at the end of 2021 compared to 2022 Estimated daily expenditure*

All amounts in AUD – Australian Dollars

APNIC Capital Reserve



Statement of Income - Surplus

REVENUE and EXPENSES (AUD)	YTD Actual May 2021	YTD Actual May 2020	Variance %	Budget 2021	Forecast 2021	Budget Variance %
Total Revenue	10,809,620	10,040,858	8%	26,971,249	26,621,726	-1%
Total Expenses	8,263,206	8,349,588	-1%	25,503,657	23,475,459	-8%
Operating Surplus/ (Deficit)	2,546,414	1,691,271	51%	1,467,592	3,146,266	114%
Fair value gain/ (loss) on financial assets	469,345	-597,674	-179%	0	469,345	0%
SURPLUS/ (DEFICIT)	3,015,759	1,093,597	176%	1,467,592	3,615,611	146%

2021 Operating surplus forecast at \$3.1m

Statement of Income – Revenue

REVENUE (AUD)	YTD Actual May 2021	YTD Actual May 2020	Variance %	Budget 2021	Forecast 2021	Budget Variance %
Membership fees	10,029,635	9,165,121	9%	24,300,595	24,291,275	-0%
Non-members fees	104,733	108,444	-3%	264,392	259,411	-2%
Reactivation fees	7,500	9,700	-23%	18,091	17,332	-4%
Sign-Up fees	123,000	149,500	-18%	343,000	325,750	-5%
Transfer fees	92,950	71,610	30%	210,000	215,450	3%
Sundry income	212,405	214,604	-1%	1,072,960	810,581	-24%
Operating Revenue	10,570,223	9,718,980	9%	26,209,038	25,919,799	-1%
Investment income	239,397	321,878	-26%	762,211	701,927	-8%
TOTAL REVENUE	10,809,620	10,040,858	8%	26,971,249	26,621,726	-1%

Statement of Income – Revenue

Operating Revenue tracking in line with budget:-

- YTD Investment income \$50k below budget, forecast to be 8% below budget by end of 2021
- YTD Membership fees tracking in line with budget assumptions
 - New Member growth continues above budget estimates
 - 315 Actual vs 329 new member budget to 31st May
 - 141 Actual vs 100 closed member budget to 31st May
 - Around 32% of new Members from LDC's in line with Budget
- Transfer fees tracking above YTD budget, forecast to be 3% above budget by end of 2021
- Sundry income tracking below YTD budget, forecast to be 24% below budget, affected by reduction in foundation receipts due to ongoing COVID-19 travel restrictions which have impacted the delivery of face-to-face training program.
- YTD Fair value gain on financial assets \$469K

Investment Fund Update

Market Value as at 31 May 2021

Market Value	
APNIC Portfolio	A\$31,636,129

Performance as of 31 May 2021

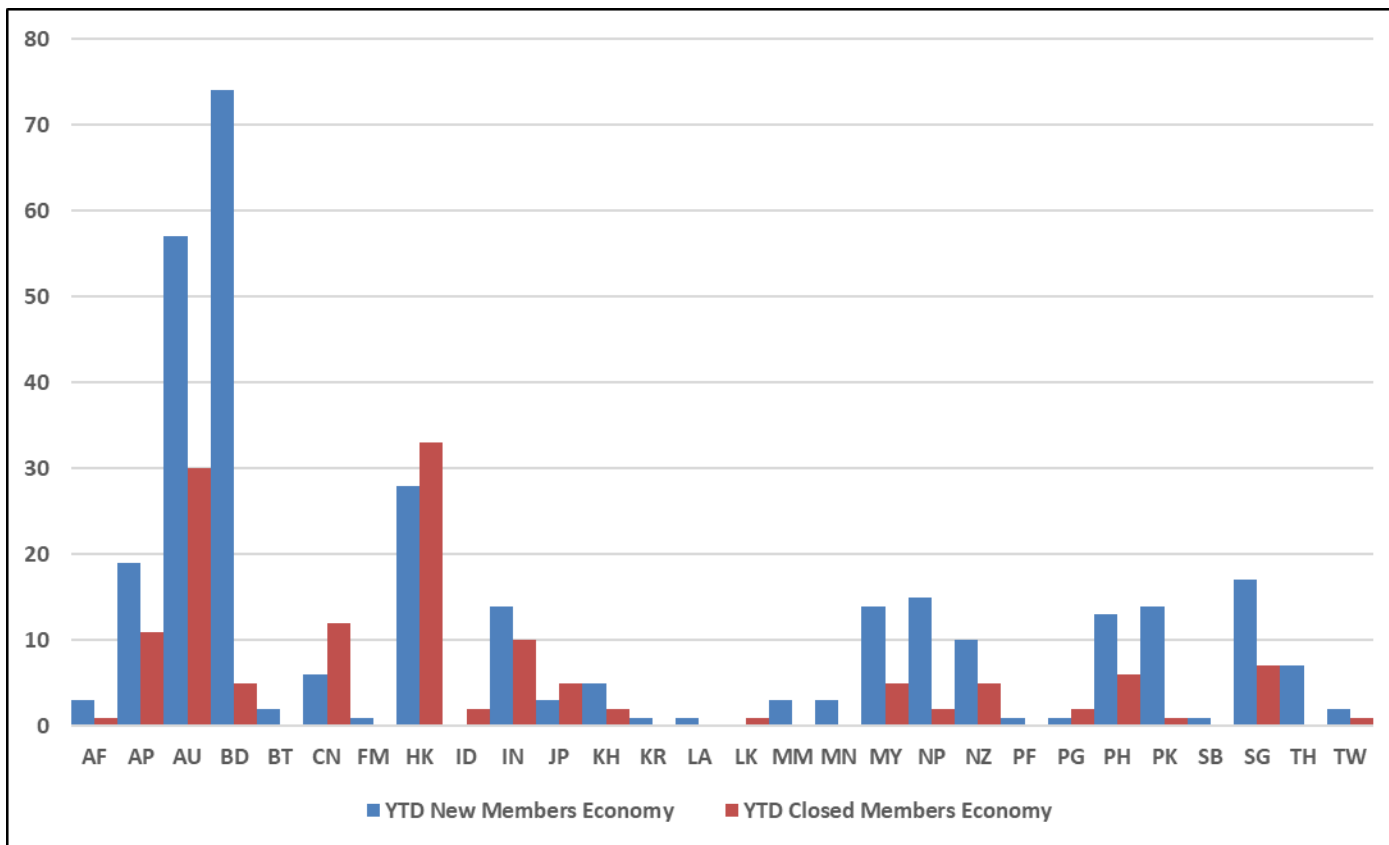
APNIC Portfolio				
	Portfolio	Benchmark	Relative	CPI + 2.5%
Month	0.94%	0.93%	+0.01%	0.30%
3 Months	3.61%	3.85%	-0.24%	0.90%
Year To Date	1.88%	2.13%	-0.25%	1.48%
1 Year	7.81%	8.55%	-0.74%	2.73%
3 Years pa	6.13%	6.41%	-0.27%	3.83%
Since Inception pa	5.51%	5.77%	-0.26%	4.21%

* Performance is after fees but before franking

Membership Tracking

Membership	Total Dec 2020	YTD New May-21	Reactivation Adjustment	YTD Closed May-21	YTD Size Change May-21	Total May-21	% Total
Extra Large	26	0		0	0	26	0%
Very Large	48	0		0	0	48	1%
Large	143	0		0	3	146	2%
Medium	521	3		-3	16	537	6%
Small	3,685	67	5	-60	0	3,697	43%
Very Small	3,778	234	4	-65	-19	3,932	46%
Associate	140	11		-13	0	138	2%
TOTAL	8,341	315	9	-141	0	8,524	100%

Membership Growth



- *Most new members joined from Bangladesh*
- *Highest closure members from Hong Kong*

Membership Tracking – Closures by Economy

Economy	Breach of Agreement	Market transfer	Membership transfer to NIR	Merger & Acquisition	Non Payment [Uncontactable]	Non Payment [Contactable]	Voluntary member closure	Transfer to Other RIR	Grand Total
AF						1			1
AP		1		1	4		3	2	11
AU		6		9	3		12		30
BD		1			3		1		5
CN		2			6	1	3		12
HK	4	5		3	16		4	1	33
ID							2		2
IN			2			5	3		10
JP		2			1	1	1		5
KH					1		1		2
LK						1			1
MY		1		1	1		2		5
NP					1		1		2
NZ		1		3	1				5
PG				1	1				2
PH					3	1	2		6
PK					1				1
SG		1			2		4		7
TW		1							1
Grand Total	4	21	2	18	44	10	39	3	141

Membership Tracking – Closures by Year Joined

Year Joined	Breach of Agreement	Market transfer	Membership transfer to NIR	Merger & Acquisition	Non Payment [Uncontactable]	Non Payment [Contactable]	Voluntary member closure	Transfer to Other RIR	Grand Total
1998							1		1
2000				1					1
2001		1							1
2003		1							1
2004							1		1
2005				1					1
2006				1			1		2
2008				1					1
2009		1		3			1		5
2010		1				1	1		3
2011		1		1			4		6
2012	1			3	4		4		12
2013		4		3	2	1	4		14
2014	2	1		1	6	1	3	1	15
2015	1	6		3	9	2	4	1	26
2016		5	1		2		2	1	11
2017					5	2	4		11
2018					7	1	2		10
2019					6	2	5		13
2020			1		3		2		6
Grand Total	4	21	2	18	44	10	39	3	141

Statement of Income - Expenses

EXPENSES (AUD)	YTD Actual May 2021	YTD Actual May 2020	Variance %	Budget 2021	Forecast 2021	Budget Variance %
Bank service fees	101,085	94,948	6%	251,212	248,165	-1%
Communication expenses	271,262	267,993	1%	1,019,592	966,149	-5%
Computer expenses	535,970	501,422	7%	1,743,227	1,744,965	0%
Contribution to APNIC Foundation	0	273,784	-100%	565,518	0	-100%
Depreciation expense	278,077	319,870	-13%	770,942	721,779	-6%
Doubtful debt expenses	6,027	3,930	53%	20,000	20,000	0%
ICANN contract fee	82,298	83,153	-1%	240,000	197,515	-18%
Insurance expense	104,409	104,391	0%	231,833	232,647	0%
Meeting and training expenses	15,052	92,740	-84%	485,000	175,833	-64%
Membership fees expenses	22,005	23,972	-8%	60,040	60,820	1%
Office operating expenses	123,293	120,179	3%	385,430	377,799	-2%
Postage & delivery	8,256	6,357	30%	37,500	15,500	-59%
Printing & photocopy	9,529	17,192	-45%	39,500	32,500	-18%
Professional fees	752,280	534,759	41%	2,519,399	2,378,368	-6%
Recruitment expense	110,772	63,705	74%	223,200	223,200	-0%
Salaries and personnel expenses	5,675,096	5,286,923	7%	14,994,013	15,004,712	0%
Sponsorship and Publicity expenses	91,095	145,772	-38%	554,400	414,894	-25%
Staff training/ Conference expenses	49,785	52,431	-5%	264,650	264,650	0%
Translation expenses	-	3,007	0%	20,000	20,000	0%
Travel expenses	26,915	353,061	-92%	1,078,200	370,809	-66%
TOTAL EXPENSES	8,263,206	8,349,588	-1%	25,503,657	23,470,306	-8%

Statement of Income - Expenses

Expenses tracking below year to date budget and is forecast to be 8% below budget at the end of 2021

- **Contributions to the APNIC Foundation**
 - It is expected that this budget will not be utilized due to the APNIC Foundation receiving significant overhead funds for APIDT grant projects
- **Meeting and Training Expenses**
 - YTD actual and forecast are to be below budget as APNIC 52 will be moved to virtual conference and various training activities are running online
- **Professional fees**
 - Forecast is expected to be below budget due to DevOps developers being expensed to Salary & Wages costs, rather than contractors; there were delayed start in some consultancy fees but is expected to align more closely with budget as the year progresses
- **Sponsorship Fees**
 - Sponsorship on NOGs/ IXPs/ Peering is forecast to be below budget
 - Reduction in other sponsorship activities due to COVID-19 travel restrictions will result in a lower forecast
- **Travel expenses**
 - Due to travel restrictions, expenses are below budget by around \$710k at end of 2021. It is expected that travel will not return to normal levels until middle of next year

Capital Expenditure

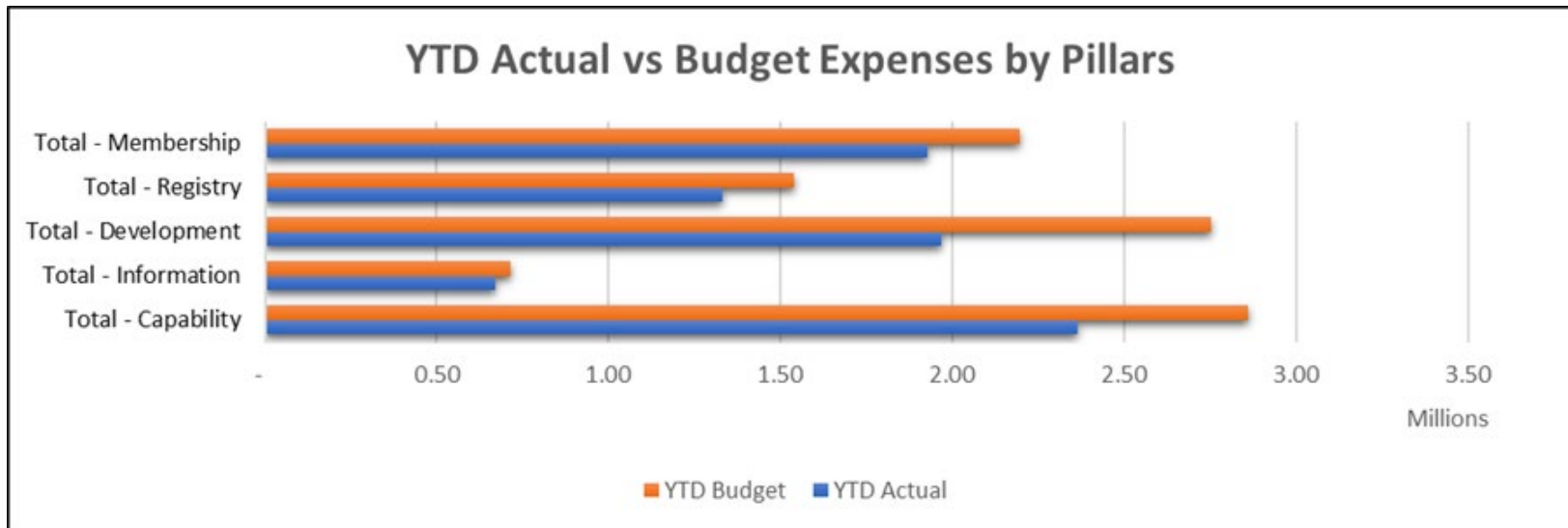
CAPITAL (AUD)	YTD Actual May 2021	YTD Actual May 2020	Variance %	Budget 2021	Forecast 2021	Budget Variance %
Equipment & Software	122,763	159,634	-23%	711,350	791,380	11%
Office Furniture & Fittings	-	4,314	-	2,030,000	2,030,000	0%
Total - Capital Expenditure	122,763	163,948	-25%	2,741,350	2,821,380	3%

- It is forecast that the equipment cost for the RPKI HSM replacement will be \$80k, the budget provision was \$20k.
- The forecast CAPEX includes the provision for \$2M for the office refurbishment.

Cash Flow YTD May 2021

Amount (AUD)	YTD May 2021
Operating Activities	
Net Income	3,015,759
Adjustments to Profit/(Loss)	
Accounts Receivable	-938,576
Other Current Asset	91,329
Accounts Payable	-102,925
Sales Tax Payable	71,232
Other Current Liability	-900,133
Total Adjustments to Profit/(Loss)	-1,779,074
Total Operating Activities	1,236,686
Investing Activities	
Fixed Asset	155,314
Other Asset	-643,320
Total Investing Activities	-488,006
Financing Activities	
Long Term Liability	-46,114
Equity	0
Total Financing Activities	-46,114
Net Change in Cash for Period	702,565
Cash at Beginning of Period	11,281,050
Cash at End of Period	11,983,615

YTD Expenses by Pillars



Expenses by Pillars and Workstreams

– YTD May

EXPENSES (AUD)	YTD Actual May 2021	YTD Budget May 2021	Variance \$	Variance %
Member services	753,020	916,107	-163,087	-18%
Membership products	920,751	990,093	-69,342	-7%
Membership reporting	253,695	291,298	-37,602	-13%
Total - Membership	1,927,466	2,197,497	-270,031	-12%
Registration Services	307,635	333,773	-26,138	-8%
Registry products	861,914	1,045,536	-183,622	-18%
Policy development	160,874	159,966	908	1%
Total - Registry	1,330,423	1,539,275	-208,852	-14%
APNIC conferences	374,369	440,524	-66,155	-15%
Foundation support	23,728	238,516	-214,788	-90%
Community engagement	553,938	738,333	-184,395	-25%
Community participation	95,229	123,672	-28,443	-23%
APNIC academy	773,658	968,074	-194,416	-20%
Internet infrastructure support	148,834	241,878	-93,044	-38%
Total - Development	1,969,757	2,750,997	-781,240	-28%
Information products	402,940	391,894	11,046	3%
Research and analysis	268,230	324,704	-56,474	-17%
Total - Information	671,170	716,598	-45,428	-6%
Internal technical infrastructure	454,632	766,251	-311,619	-41%
Finance and business services	758,208	868,821	-110,613	-13%
Employee experience	710,151	766,611	-56,460	-7%
Governance	441,399	457,859	-16,460	-4%
Total - Capability	2,364,391	2,859,543	-495,152	-17%
Total - Expenses	8,263,206	10,063,909	-1,800,704	-18%

Capital Expenditure by Pillars and Workstreams – YTD May

CAPITAL EXPENSES (AUD)	YTD Actual May 2021	YTD Budget May 2021	Variance \$	Variance %
Member services	7,935		7,935	0%
Total - Membership	7,935	0	7,935	0%
APNIC conferences	2,149		2,149	0%
APNIC academy	12,837	15,000	-2,163	-14%
Total - Development	14,986	15,000	-14	0%
Research and analysis	24,890	24,000	890	4%
Total - Information	24,890	24,000	890	4%
Internal technical infrastructure	68,134	107,500	-39,366	-37%
Finance and business services		10,000	-10,000	-100%
Employee experience	6,818		6,818	0%
Total - Capability	74,952	117,500	-42,548	-36%
Total - Capital Expenses	122,763	156,500	-33,737	-22%

Questions?

Monthly Financial Report

(in AUD)

May 2021

Table of Contents

1	Executive Summary	3
2	Statement of Financial Position.....	4
3	Statement of Income	5
4	Capital Expenditure.....	5
5	Activity Reporting.....	6
5.1	Expenses by Pillars and Workstreams	6
5.2	Capital Expenditure by Pillars and Workstreams	7
6	APNIC Reserve.....	8
6.1	Cash Flow Statement	8
6.2	Capital Reserve	9
6.3	Equity and Reserves	9
7	Membership.....	10
7.1	Membership by Category	10
7.2	Membership Growth	10
7.3	Year-to-Date Membership Movement by Economy	11
7.4	Membership Closures by Year Joined	11
7.5	Membership Closures by Economy	12

1 Executive Summary

The Statement of Financial Position compares APNIC's assets, liabilities and equity at the end of May 2021 against the 2020 year end balances. The Statement of Income compares APNIC's year to date 2021 income and expenditure against the budget and the comparative period for 2020. It shows a year-to-date operating surplus (before fair value gain on financial assets) of \$2.5m. This report includes the full year forecast which has been derived from a detailed review of expected revenues, committed and planned expenditure for the remainder of 2021.

Financial Position (Table 1)

Equity has increased by 9% since the end of 2020, this is driven by the surplus of \$3m at the end of May.

Statement of Income (Table 2)

Revenue is forecast to be close to budget at the end of 2021.

- **Membership fees and Sign-Up fees:** Membership fees are tracking very close to the budget estimates up to the end of May. The year-to-date count of 315 new members is tracking closely to the year-to-date budget of 329. The year-to-date closures was 141, which is more than the budget of 100 as at the end of May (see Figure 3).
- **Investment income:** Interest Income was below budget as cash deposit rates continue to be lower than anticipated in the budget. Overall, investment income is forecast to be 8% below budget.
- **Sundry income:** The majority of sundry income represents Foundation receipts from projects to support training activities. Foundation receipts is forecast to continue tracking below budget due to the ongoing COVID-19 travel restrictions which have impacted the delivery of Face-to-face training program.

Expenses are forecast to be significantly below budget at the end of 2021.

Operating expenses are forecast to be nearly \$2m lower than the budget, COVID-19 travel restrictions continue to create savings against the budget estimates across many expense categories. The savings are primarily seen in **travel, meeting and training, and sponsorship expenses**. Other major variances include:

- **Communication expenses:** was below budget due to delays in setting up 24-hours Network operation center and the installation of root servers in Singapore and Hong Kong. Other data network expenses for registry products are below budget but is expected to align more closely as the year progress.
- **Contribution to APNIC Foundation:** It is expected that this budget will not be utilised due to the APNIC Foundation receiving significant overhead funds for APIDT grant projects.
- **Professional fees:** are below budget due to the allocation of expenses for DevOps developers to Salary & personnel costs, rather than contractors; there were delayed start in some consultancy fees but is expected to align more closely with budget as the year progress.

Fair Value Gain:

The value of APNIC's investment portfolio has increased by \$469k since the end of 2020. During May, global equities ex-Australia advanced 1.17% in AUD terms. Australian equities advanced 2.34% and global bond yields drifted a little lower. Since inception in August 2013, the portfolio has returned 5.51% (after fees) against the benchmark (CPI +2.5%) of 4.21%.

Capital Expenditure (Table 3) is currently tracking below budget. Full year forecast is expected to be slightly higher than budget.

- It is forecast that the equipment cost for the RPKI HSM replacement will be \$80k, well above the budget provision of \$20k.
- The forecast CAPEX includes the provision for \$2m for the office refurbishment.

2 Statement of Financial Position

Amount (AUD)	31/05/2021	Year End 2020	% Change
CURRENT ASSETS			
Cash/ Term Deposits	11,983,615	11,281,050	6%
Receivables	1,770,208	1,130,303	57%
Others	1,000,949	793,606	26%
TOTAL CURRENT ASSETS	14,754,771	13,204,960	12%
NON-CURRENT ASSETS			
Other Financial Assets	31,679,728	31,036,408	2%
Property, plant and equipment	6,793,380	6,948,694	-2%
Deferred Tax Assets	106,877	106,877	0%
TOTAL NON-CURRENT ASSETS	38,579,986	38,091,979	1%
TOTAL ASSETS	53,334,757	51,296,939	4%
CURRENT LIABILITIES			
Payables	733,813	1,355,679	-46%
Provisions	2,426,407	2,233,396	9%
Unearned Revenue	11,382,404	11,885,376	-4%
TOTAL CURRENT LIABILITIES	14,542,624	15,474,451	-6%
NON - CURRENT LIABILITIES			
Deferred Tax Liabilities	1,238,861	1,238,861	0%
Total Provisions	360,630	406,744	-11%
TOTAL NON-CURRENT LIABILITIES	1,599,491	1,645,605	-3%
TOTAL LIABILITIES	16,142,115	17,120,056	-6%
NET ASSETS	37,192,642	34,176,883	9%
EQUITY			
Share Capital	1	1	0%
Retained earnings	34,176,882	30,724,701	11%
Net Income	3,015,759	3,452,181	-13%
TOTAL EQUITY	37,192,642	34,176,883	9%

Table 1. Statement of Financial Position

3 Statement of Income

Amount (AUD)	YTD Actual May 2021	YTD Actual May 2020	Variance %	Budget 2021	Forecast 2021	Budget Variance %
Membership fees	10,029,635	9,165,121	9%	24,300,595	24,291,275	-0%
Non-members fees	104,733	108,444	-3%	264,392	259,411	-2%
Reactivation fees	7,500	9,700	-23%	18,091	17,332	-4%
Sign-Up fees	123,000	149,500	-18%	343,000	325,750	-5%
Transfer fees	92,950	71,610	30%	210,000	215,450	3%
Sundry income	212,405	214,604	-1%	1,072,960	810,581	-24%
Operating Revenue	10,570,223	9,718,980	9%	26,209,038	25,919,799	-1%
Investment income	239,397	321,878	-26%	762,211	701,927	-8%
TOTAL REVENUE	10,809,620	10,040,858	8%	26,971,249	26,621,726	-1%
Bank service fees	101,085	94,948	6%	251,212	248,165	-1%
Communication expenses	271,262	267,993	1%	1,019,592	966,149	-5%
Computer expenses	535,970	501,422	7%	1,743,227	1,744,965	0%
Contribution to APNIC Foundation	0	273,784	-100%	565,518	0	-100%
Depreciation expense	278,077	319,870	-13%	770,942	726,933	-6%
Doubtful debt expenses	6,027	3,930	53%	20,000	20,000	0%
ICANN contract fee	82,298	83,153	-1%	240,000	197,515	-18%
Insurance expense	104,409	104,391	0%	231,833	232,647	0%
Meeting and training expenses	15,052	92,740	-84%	485,000	175,833	-64%
Membership fees expenses	22,005	23,972	-8%	60,040	60,820	1%
Office operating expenses	123,293	120,179	3%	385,430	377,799	-2%
Postage & delivery	8,256	6,357	30%	37,500	15,500	-59%
Printing & photocopy	9,529	17,192	-45%	39,500	32,500	-18%
Professional fees	752,280	534,759	41%	2,519,399	2,378,368	-6%
Recruitment expense	110,772	63,705	74%	223,200	223,200	-0%
Salaries and personnel expenses	5,675,096	5,286,923	7%	14,994,013	15,004,712	0%
Sponsorship and Publicity expenses	91,095	145,772	-38%	554,400	414,894	-25%
Staff training/ Conference expenses	49,785	52,431	-5%	264,650	264,650	0%
Translation expenses	-	3,007	0%	20,000	20,000	0%
Travel expenses	26,915	353,061	-92%	1,078,200	370,809	-66%
TOTAL EXPENSES	8,263,206	8,349,588	-1%	25,503,657	23,475,459	-8%
Operating Surplus/ (Deficit)	2,546,414	1,691,271	51%	1,467,592	3,146,266	114%
Fair value gain/ (loss) on financial assets	469,345	-597,674	-179%	0	469,345	0%
SURPLUS/ (DEFICIT)	3,015,759	1,093,597	176%	1,467,592	3,615,611	146%

Table 2. Statement of Income

4 Capital Expenditure

CAPITAL (AUD)	YTD Actual May 2021	YTD Actual May 2020	Variance %	Budget 2021	Forecast 2021	Budget Variance %
Equipment & Software	122,763	159,634	-23%	711,350	791,380	11%
Office Furniture & Fittings	-	4,314	-	2,030,000	2,030,000	0%
Total - Capital Expenditure	122,763	163,948	-25%	2,741,350	2,821,380	3%

Table 3. Capital Expenditure by Category

5 Activity Reporting

5.1 Expenses by Pillars and Workstreams

EXPENSES (AUD)	YTD Actual May 2021	YTD Budget May 2021	Variance \$	Variance %
Member services	753,020	916,107	-163,087	-18%
Membership products	920,751	990,093	-69,342	-7%
Membership reporting	253,695	291,298	-37,602	-13%
Total - Membership	1,927,466	2,197,497	-270,031	-12%
Registration Services	307,635	333,773	-26,138	-8%
Registry products	861,914	1,045,536	-183,622	-18%
Policy development	160,874	159,966	908	1%
Total - Registry	1,330,423	1,539,275	-208,852	-14%
APNIC conferences	374,369	440,524	-66,155	-15%
Foundation support	23,728	238,516	-214,788	-90%
Community engagement	553,938	738,333	-184,395	-25%
Community participation	95,229	123,672	-28,443	-23%
APNIC academy	773,658	968,074	-194,416	-20%
Internet infrastructure support	148,834	241,878	-93,044	-38%
Total - Development	1,969,757	2,750,997	-781,240	-28%
Information products	402,940	391,894	11,046	3%
Research and analysis	268,230	324,704	-56,474	-17%
Total - Information	671,170	716,598	-45,428	-6%
Internal technical infrastructure	454,632	766,251	-311,619	-41%
Finance and business services	758,208	868,821	-110,613	-13%
Employee experience	710,151	766,611	-56,460	-7%
Governance	441,399	457,859	-16,460	-4%
Total - Capability	2,364,391	2,859,543	-495,152	-17%
Total - Expenses	8,263,206	10,063,909	-1,800,704	-18%

Table 4. Expense by Pillars and Workstreams

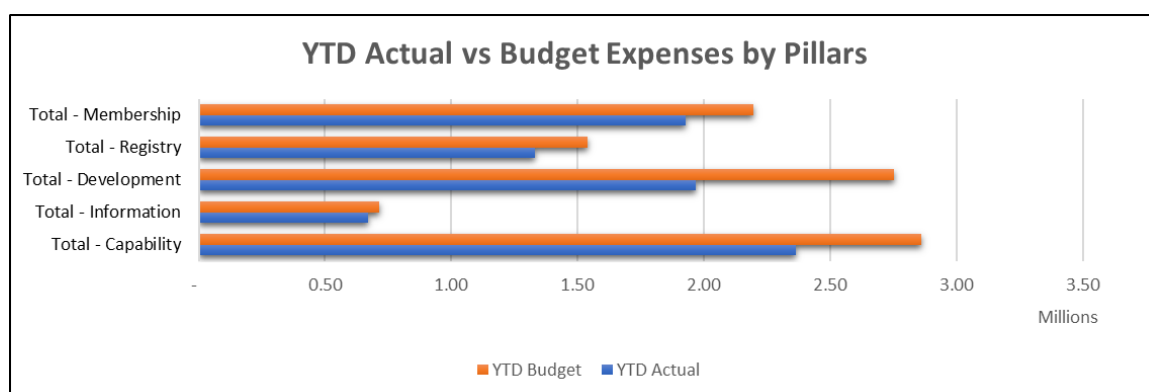


Figure 1. YTD Actual vs. Budget Expenses by Pillars

5.2 Capital Expenditure by Pillars and Workstreams

CAPITAL EXPENSES (AUD)	YTD Actual May 2021	YTD Budget May 2021	Variance \$	Variance %
Member services	7,935		7,935	0%
Total - Membership	7,935	0	7,935	0%
APNIC conferences	2,149		2,149	0%
APNIC academy	12,837	15,000	-2,163	-14%
Total - Development	14,986	15,000	-14	0%
Research and analysis	24,890	24,000	890	4%
Total - Information	24,890	24,000	890	4%
Internal technical infrastructure	68,134	107,500	-39,366	-37%
Finance and business services		10,000	-10,000	-100%
Employee experience	6,818		6,818	0%
Total - Capability	74,952	117,500	-42,548	-36%
Total - Capital Expenses	122,763	156,500	-33,737	-22%

Table 5. Capital Expenditure by Pillars and Workstreams

6 APNIC Reserve

6.1 Cash Flow Statement

Amount (AUD)	YTD May 2021
Operating Activities	
Net Income	3,015,759
Adjustments to Profit/(Loss)	
Accounts Receivable	-938,576
Other Current Asset	91,329
Accounts Payable	-102,925
Sales Tax Payable	71,232
Other Current Liability	-900,133
Total Adjustments to Profit/(Loss)	-1,779,074
Total Operating Activities	1,236,686
Investing Activities	
Fixed Asset	155,314
Other Asset	-643,320
Total Investing Activities	-488,006
Financing Activities	
Long Term Liability	-46,114
Equity	0
Total Financing Activities	-46,114
Net Change in Cash for Period	702,565
Cash at Beginning of Period	11,281,050
Cash at End of Period	11,983,615

Table 6. Cash Flow Statement

6.2 Capital Reserve

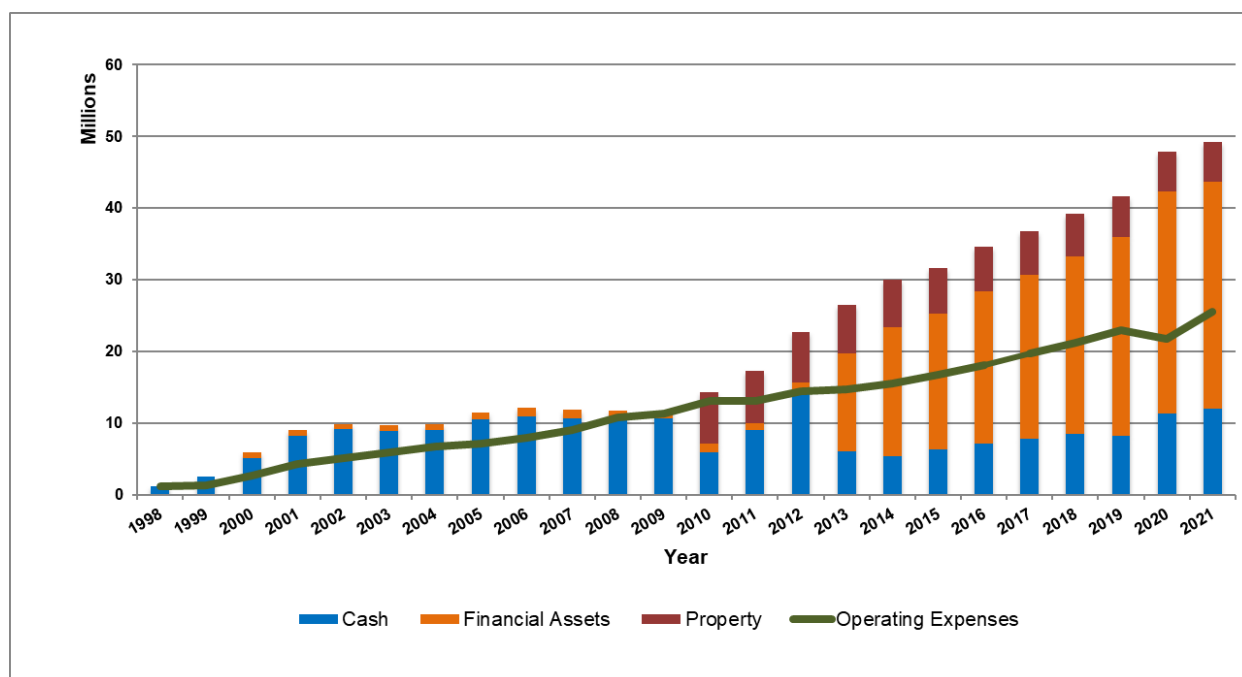


Figure 2. Capital Reserve

6.3 Equity and Reserves

By comparing the Total Equity (including retained earnings and unrealised capital gains), and the Daily Operating Expenses based on the approved budget* and forecast, the number of month's coverage of operational expenses is set out below:

	*YTD 2021	*Actual 2020	Actual 2019
Total Equity (AUD)	\$37,192,642	\$34,176,883	\$30,724,702
% Equity Covered By Cash/ Cash Equivalents	117.4%	123.8%	116.9%
Daily Operating Expenses (AUD) *	\$69,873	\$66,374	\$62,944
Number of Months of expenses covered by Equity*	17.50	16.88	16.05

* Calculation is based on the average daily operating expenses of approved budget for 2020 and 2021, as it better reflects the APNIC operating cost base in a COVID-free course of business.

Table 7. Equity and Reserves

7 Membership

7.1 Membership by Category

Membership	Total Dec 2020	YTD New May-21	Reactivation Adjustment	YTD Closed May-21	YTD Size Change May-21	Total May-21	%Total
Extra Large	26	0		0	0	26	0%
Very Large	48	0		0	0	48	1%
Large	143	0		0	3	146	2%
Medium	521	3		-3	16	537	6%
Small	3,685	67	5	-60	0	3,697	43%
Very Small	3,778	234	4	-65	-19	3,932	46%
Associate	140	11		-13	0	138	2%
TOTAL	8,341	315	9	-141	0	8,524	100%

Table 8. Membership by Category

7.2 Membership Growth

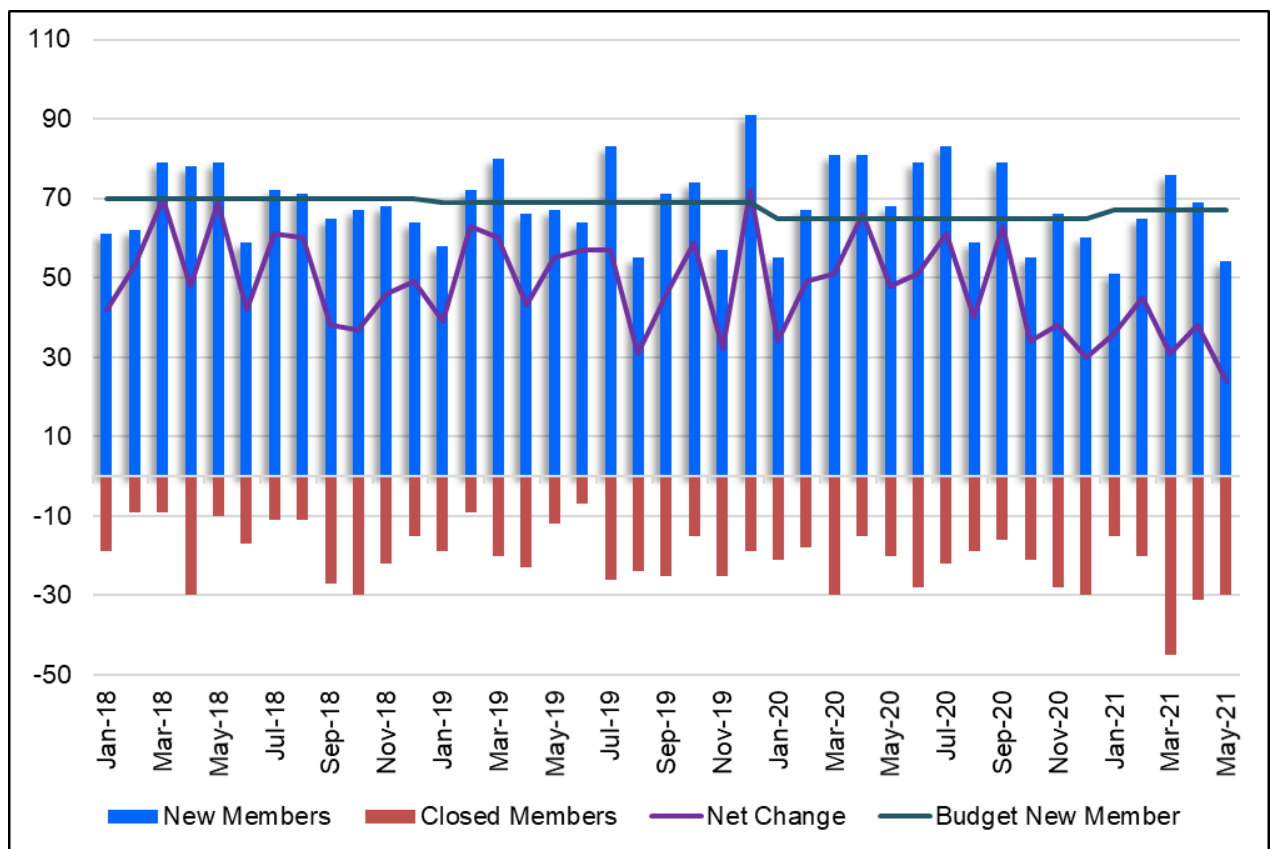


Figure 3. Membership Growth

7.3 Year-to-Date Membership Movement by Economy

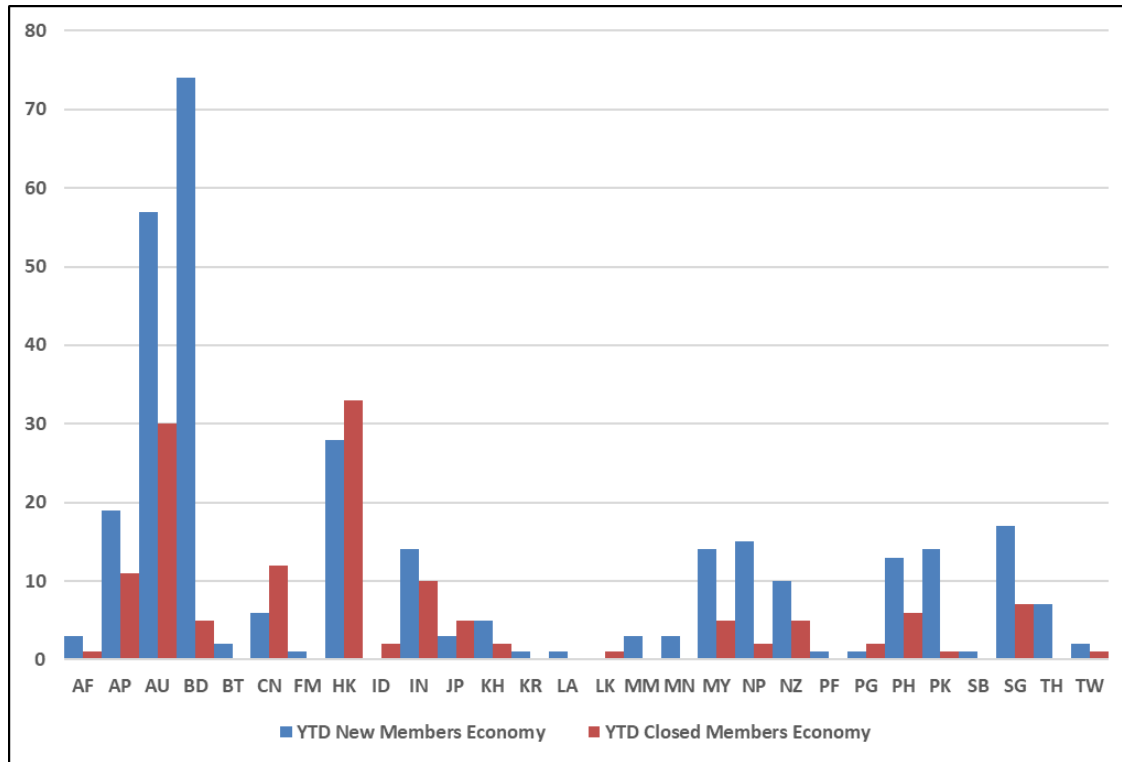


Figure 4. Year-to-Date Membership Movement by Economy

7.4 Membership Closures by Year Joined

Year Joined	Breach of Agreement	Market transfer	Membership transfer to NIR	Merger & Acquisition	Non Payment [Uncontactable]	Non Payment [Contactable]	Voluntary member closure	Transfer to Other RIR	Grand Total
1998							1		1
2000				1					1
2001		1							1
2003		1							1
2004							1		1
2005				1					1
2006				1			1		2
2008				1					1
2009		1		3			1		5
2010		1				1	1		3
2011		1		1			4		6
2012	1			3	4		4		12
2013		4		3	2	1	4		14
2014	2	1		1	6	1	3	1	15
2015	1	6		3	9	2	4	1	26
2016		5	1		2		2	1	11
2017					5	2	4		11
2018					7	1	2		10
2019					6	2	5		13
2020			1		3		2		6
Grand Total	4	21	2	18	44	10	39	3	141

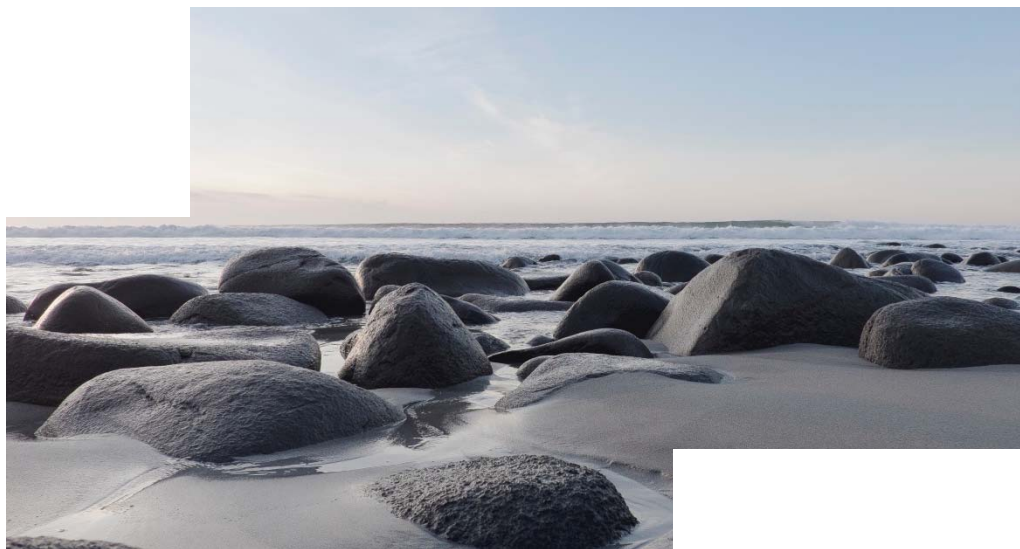
Table 9. Membership Closures by Year Joined

7.5 Membership Closures by Economy

Economy	Breach of Agreement	Market transfer	Membership transfer to NIR	Merger & Acquisition	Non Payment [Uncontactable]	Non Payment [Contactable]	Voluntary member closure	Transfer to Other RIR	Grand Total	IP V4 Resources Reclaimed (/24's)	IP V6 Resources Reclaimed (/32's)	ASN Reclaimed
AF						1			1	4		1
AP		1		1	4		3	2	11	10	3	8
AU		6		9	3		12		30	22	5	11
BD		1			3		1		5	6	3	7
CN		2			6	1	3		12	31	6	10
HK	4	5		3	16		4	1	33	86	9	18
ID							2		2	1	0	1
IN			2			5	3		10	15	1	9
JP		2			1	1	1		5	9		
KH					1		1		2	10	1	2
LK						1			1	1		1
MY		1		1	1		2		5	14	2	2
NP					1		1		2	1	1	2
NZ		1		3	1				5	2	1	6
PG				1	1				2			
PH					3	1	2		6	18	1	6
PK					1				1	2	0	1
SG		1			2		4		7	18	3	6
TW		1							1		0	
Grand Total	4	21	2	18	44	10	39	3	141	250	36	91

Table 10. Membership Closures by Economy

APNIC Monthly Reporting



Summary

- Global equities ex-Australia advanced 1.17% in AUD terms.
- Australian equities advanced 2.34%.
- Global bond yields drifted a little lower.

Market Commentary

The global equities rally continued in May as optimism around vaccine rollouts and positive economic data outweighed reflationary concerns. European equities were particularly strong on the back of a recent pick up in vaccination campaigns and falling infection numbers. In AUD terms, European, Australian, Emerging Markets and US equities advanced 3.91%, 2.34%, 1.96% and 0.09%, respectively. Bond markets saw a relatively stable month with yields in the US and Australia drifting a little lower, which saw bond prices increase marginally.

The Australian economy continued to recover strongly in the first quarter of the year with GDP growth of 1.8% over the period which lifted the annual growth rate from -1.0% to 1.1%. The labour market saw a fall in overall employment in April but this followed 6 consecutive months of strong job gains and a closer look at the data reveals the net loss was driven by part time jobs. In fact, full time jobs rose over the month and the unemployment rate fell to 5.5%. The housing boom in Australia marched on with national house prices up 2.2% in May. The RBA held the cash rate target at 0.1% at the June meeting and reiterated its commitment to an easy monetary policy until 2024 but the removal of a key sentence in the Governor's Statement was widely interpreted as a shift to a less dovish stance.

The US economy continued to grow but at a moderated pace. A second estimate of the Q1 annualised GDP QoQ indicated a growth rate of 6.4%, marginally behind expectations for 6.5%. Labour market data showed continued job recovery but at a slower pace with nonfarm payrolls for May increasing to 559k from 266k, behind

consensus of 675k. Personal spending growth slowed with a print of 0.5% in May compared to 4.2% in the prior month. On the other hand, the ISM Manufacturing PMI improved from 60.7 to 61.2.

The European recovery lagged the rest of the world in the first quarter with growth remaining at a contractionary -0.6% on a QoQ basis. However, forward indicators are looking more optimistic with the May composite PMI rising from 53.8 to 57.1 on the back of improvements in both the manufacturing and services sectors. Consumer confidence in May remained at negative levels but saw relative improvement, increasing from -8.1 to -5.1.

The Chinese economy grew 18.3% in 1Q21 on a YoY basis but forward momentum is looking more modest versus the rest of the world. The May Caixin composite PMI fell from 56.3 to 55.1 in May on the back of a moderation in the services activity growth rate. That said, the reading remains well above 50, the mark that separates growth from contraction.

Market Value as at 31 May 2021

	Market Value
APNIC Portfolio	A\$31,636,129

Performance as of 31 May 2021

APNIC Portfolio				
	Portfolio	Benchmark	Relative	CPI + 2.5%
Month	0.94%	0.93%	+0.01%	0.30%
3 Months	3.61%	3.85%	-0.24%	0.90%
Year To Date	1.88%	2.13%	-0.25%	1.48%
1 Year	7.81%	8.55%	-0.74%	2.73%
3 Years pa	6.13%	6.41%	-0.27%	3.83%
Since Inception pa	5.51%	5.77%	-0.26%	4.21%

* Performance is after fees but before franking

Asset Allocation

Asset Class	Tactical Position
Cash	Neutral
Bonds	Neutral
Australian Equities	Neutral
International Equities	Neutral
Alternative Investments	Neutral

Outlook

The Global Investment Committee sees equities as the preferred asset class from a strategic perspective and on a medium term horizon of 3-6 months. We continue to expect share markets to deliver attractive returns on improving growth, a strong earnings recovery and the ongoing reopening of the global economy.

That said, we have a neutral shorter term tactical stance on equities, and most other risk assets for the time being. There are four main reasons we expect a consolidation phase. First, our model of global risk appetite has been at extreme levels and has started to roll over. Secondly, the most recent rises in share prices have been on the back of light volume. Thirdly, the percentage of US stocks trading above their 200 day moving average (a bullish price signal) has peaked and is falling. Finally, and most importantly, inflation expectations are rising.

Another large US stimulus plan focused on infrastructure, excess savings in developed markets, strong commodity prices and some supply bottlenecks could see a short term inflation surprise. This could lead to a spike in bond yields and a sell-off in equities. Our base case is that such inflationary factors will be transitory, with central banks willing to look through short term volatility. But, it is a real possibility, so we maintain a full allocation to cash ready to take advantage of any dips.

Data Sources

Credit Suisse, unless otherwise specified.

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Private Banking

Investment Report 1.5.2021 – 31.5.2021

APNIC PTY LTD

Portfolio Group: 3000039

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Private Banking

Investment Report 1.5.2021 – 31.5.2021

Portfolio Group **3000039**

In the Name of APNIC PTY LTD

Produced on 1.6.2021
Reporting Currency AUD

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Table of Contents

	Page
1. Overview	
1.1. Asset Allocation	3
1.2. Income and Activity	4
1.3. Performance	5
2. Analyses	
2.1. Performance	6
2.2. Contribution Analysis	7
2.3. Contribution - Top Contributors & Detractors	8
3. Positions	
3.1. Investment Related Positions	9
4. Appendix	
4.1. Explanations	22
4.2. Legal Information	25

Scope of Analysis

as of 31.5.2021

Components	Portfolio	Asset Value in AUD	Discretionary Mandate	Opened	Closed	Performance Activation	Performance Deactivation
Portfolio Group: 3000039							
Investment related Positions							
AUD Portfolio	3000039-10	0		16.08.2013		31.12.2013	
AUD Portfolio	3000039-70	31,679,728	Yes	16.08.2013		31.12.2013	
Total Investments		31,679,728					
Total Wealth		31,679,728					

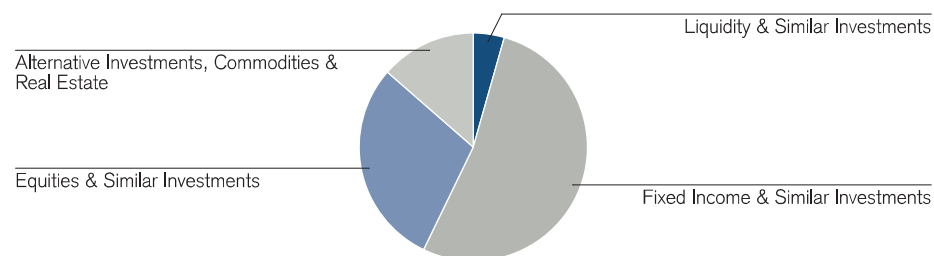
1. Overview

1.1. Asset Allocation

Asset Allocation by Asset Category

Period 1.5.2021 - 31.5.2021

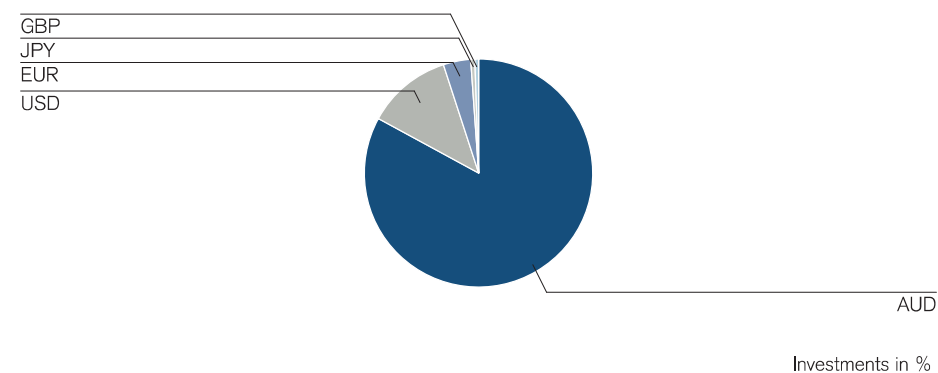
	Beginning Market Value in AUD	Change	Ending Market Value in AUD	Ending Market Value Prop.
■ Liquidity & Similar Investments	854,906	533,348	1,388,254	4.38%
■ Fixed Income & Similar Investments	17,027,858	-302,569	16,725,290	52.79%
■ Equities & Similar Investments	9,232,602	43,881	9,276,483	29.28%
■ Alternative Investments, Commodities & Real Estate	4,226,646	63,055	4,289,701	13.54%
Total Investments	31,342,012		31,679,728	100.00%



Asset Allocation by Currency

Period 1.5.2021 - 31.5.2021

	Beginning Market Value in AUD	Change	Ending Market Value in AUD	Ending Market Value Prop.
■ AUD - Australian Dollar	26,083,856	245,019	26,328,876	83.11%
■ USD - US Dollar	3,763,053	62,713	3,825,766	12.08%
■ EUR - Euro	1,211,927	26,759	1,238,686	3.91%
■ JPY - Japan Yen	183,954	-357	183,597	0.58%
■ GBP - Pound Sterling	99,222	3,581	102,804	0.32%
Total Investments	31,342,012		31,679,728	100.00%



1.2. Income and Activity

Income Summary

Period 1.5.2021 - 31.5.2021

	Current Period in AUD	Year to Date in AUD
Cash Dividend	8,901	220,353
Coupon Received/Paid	0	0
Interest Earned	0	1
Interest Paid	0	0
Net Income	8,901	220,354

Activity Summary

Period 1.5.2021 - 31.5.2021

	Current Period in AUD	Year to Date in AUD
Asset Inflows	0	0
Asset Outflows	0	0
Net Investment Asset Flows	0	0

1.3. Performance

Performance Summary

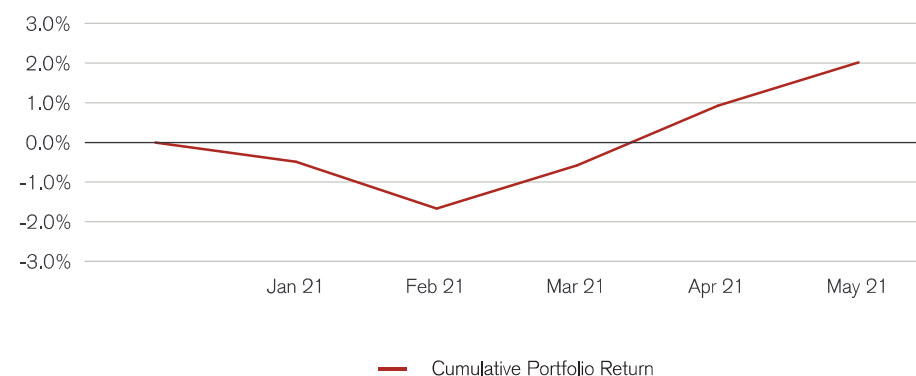
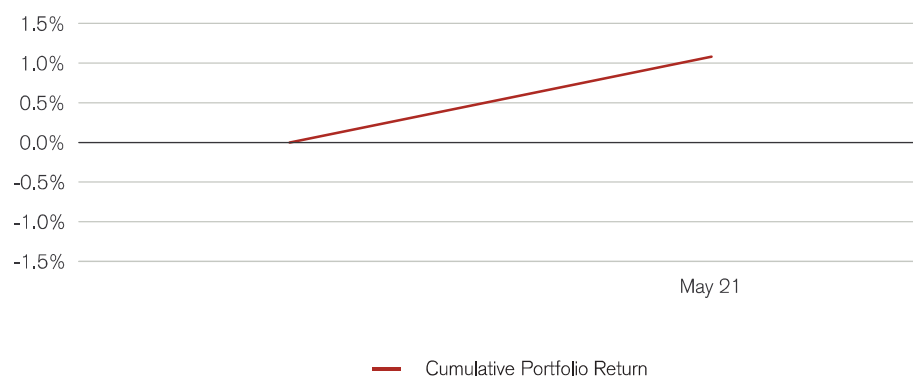
Period 1.5.2021 - 31.5.2021

	Asset Value in AUD	Asset Value in AUD
Ending Market Value		31,679,728
Beginning Market Value		31,342,012
Asset Flows including		0
Inflows	0	
Outflows	0	
Net Non-Investment Flows	0	
Taxes	0	
Flow Adjusted Value Change		337,716
Cumulative Portfolio Return – net		1.08%

Performance Year-to-date

Period 1.1.2021 - 31.5.2021

	Asset Value in AUD	Asset Value in AUD
Ending Market Value		31,679,728
Beginning Market Value		31,057,596
Asset Flows including		-4,216
Inflows	0	
Outflows	0	
Net Non-Investment Flows	0	
Taxes	-4,216	
Flow Adjusted Value Change		626,349
Cumulative Portfolio Return – net		2.02%



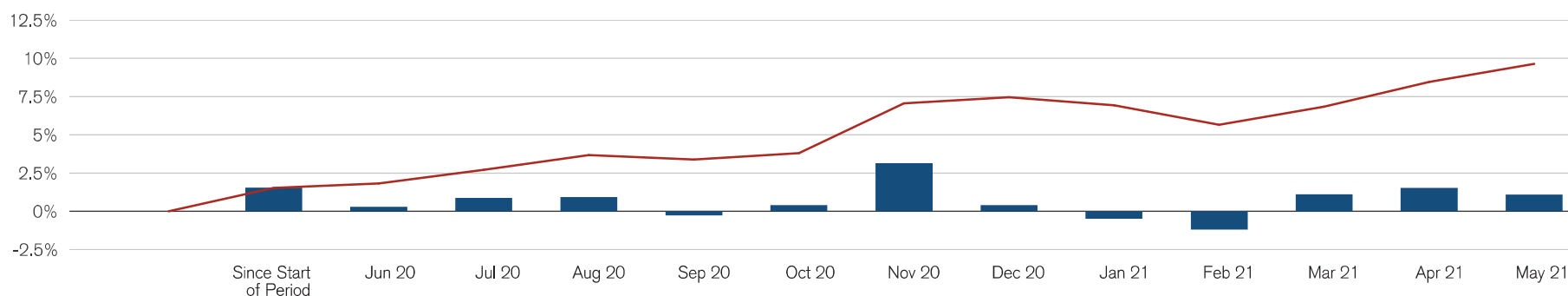
2. Analyses

2.1. Performance

Performance Details

Period 1.5.2020 - 31.5.2021

	Since Start of Period	Jun 20	Jul 20	Aug 20	Sep 20	Oct 20	Nov 20	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21
Ending Market Value	27,374,714	27,447,506	28,691,351	28,959,381	29,881,906	30,001,462	30,942,055	31,057,596	30,905,140	30,537,588	30,873,178	31,342,012	31,679,728
Beginning Market Value	26,959,853	27,374,714	27,447,506	28,691,351	28,959,381	29,881,906	30,001,462	30,942,055	31,057,596	30,905,140	30,537,588	30,873,178	31,342,012
Asset Flows including	0	-3,675	1,000,000	0	996,136	0	0	-4,128	0	0	-4,216	0	0
Inflows	0	0	1,500,000	0	1,500,000	0	0	0	0	0	0	0	0
Outflows	0	0	-500,000	0	-500,000	0	0	0	0	0	0	0	0
Net Non-Investment Flows	0	0	0	0	0	0	0	0	0	0	0	0	0
Taxes	0	-3,675	0	0	-3,864	0	0	-4,128	0	0	-4,216	0	0
Performance Activated/Deactivated Portfolios	27,374,714												
Flow Adjusted Value Change	-26,959,853	76,468	243,845	268,030	-73,611	119,556	940,593	119,668	-152,455	-367,553	339,806	468,835	337,716
■ Portfolio Return – net	1.54%	0.28%	0.87%	0.93%	-0.27%	0.40%	3.14%	0.39%	-0.49%	-1.19%	1.11%	1.52%	1.08%
— Cumulative Portfolio Return	1.54%	1.82%	2.71%	3.67%	3.39%	3.80%	7.06%	7.47%	6.94%	5.67%	6.85%	8.47%	9.64%



2.2. Contribution Analysis

Multi-Period Contribution by Asset Category in % as of 31.5.2021

	Month To Date	Quarter To Date	Year To Date	1 Year	Current Period
Liquidity & Similar Investments	0.02	-0.01	-0.14	-0.61	0.02
Fixed Income & Similar Investments	0.27	0.71	-0.92	0.59	0.27
Equities & Similar Investments	0.59	1.27	2.31	5.92	0.59
Alternative Investments, Commodities & Real Estate	0.20	0.63	0.78	2.07	0.20
Non-Allocable Effect	-	0.02	-	-	-
Total – net ***	1.08	2.61	2.02	7.98	1.08

Multi-Period Contribution by Currency in % as of 31.5.2021

	Month To Date	Quarter To Date	Year To Date	1 Year	Current Period
AUD - Australian Dollar	0.78	1.95	0.55	5.27	0.78
USD - US Dollar	0.20	0.45	1.18	2.11	0.20
EUR - Euro	0.09	0.18	0.27	0.48	0.09
GBP - Pound Sterling	0.01	0.02	0.03	0.03	0.01
JPY - Japan Yen	-	-0.02	-0.01	0.11	-
CHF - Swiss Franc	-	-	-	-0.01	-
Non-Allocable Effect	-	0.02	-	-	-
Total – net ***	1.08	2.61	2.02	7.98	1.08

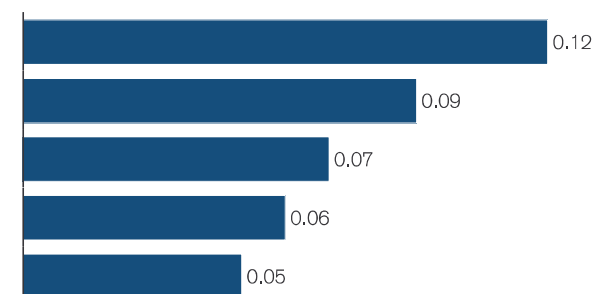
*** If applicable, fees charged in the relevant currency will be deducted from the cash account contribution, which is part of the Liquidity & Similar Investments asset category.

2.3. Contribution - Top Contributors & Detractors

Top Contributors in %

as of 31.5.2021

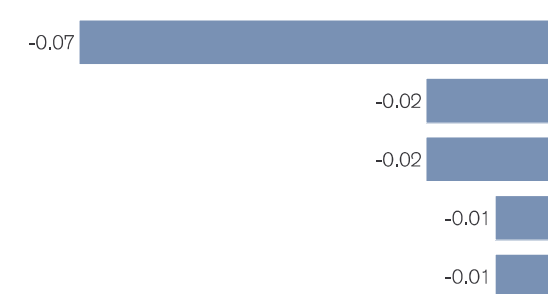
	Total Return	Average Weight	Contribution
REGISTERED SHS COMMONWEALTH BANK OF AUSTRALIA	11.99	1.04	0.12
UNITS LEGG MASON WESTERN ASSET AUSTRALIAN BOND TRUST CLASS -A-	0.51	17.37	0.09
UNITS PERPETUAL ACTIVE FIXED INTEREST FUND	0.68	10.05	0.07
UNITS SPDR S&P/ASX 200 LISTED PROPERTY FUND EXCHANGE TRADED FUND	2.25	2.67	0.06
REGISTERED SHS CSL LTD	7.03	0.79	0.05
Total – net ***		31.92	0.39



Top Detractors in %

as of 31.5.2021

	Total Return	Average Weight	Contribution
SHS -I MINC HEDGED AUD- ABERDEEN STANDARD SICAV I SICAV - EMERGING MARKETS CORPORATE BOND FUND DISTRIBUTION	-2.68	0.24	-0.07
REGISTERED SHS THE A2 MILK COMPANY LTD	-23.55	0.08	-0.02
REGISTERED SHS WOODSIDE PETROLEUM LTD	-4.59	0.36	-0.02
REGISTERED SHS AURIZON HOLDINGS LTD	-3.47	0.36	-0.01
REGISTERED SHS FLIGHT CENTRE TRAVEL GROUP LTD	-9.07	0.11	-0.01
Total – net ***		1.15	-0.13



*** If applicable, fees charged in the relevant currency will be deducted from the cash account contribution, which is part of the Liquidity & Similar Investments asset category.

3. Positions

3.1. Investment Related Positions

as of 31.5.2021

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
Liquidity & Similar Investments							
Accounts							
AUD	731,513.76	Current Account -20300003970945 AUD Portfolio: 3000039-70	1.0000		731,514		
					2.31%		
EUR	107,659.08	Current Account -20300003970056 AUD Portfolio: 3000039-70	1.0000		169,821	2,946	1.77%
			1.5500 EUR/AUD		0.54%	2,946	1.77%
USD	376,303.62	Current Account -20300003970780 AUD Portfolio: 3000039-70	1.0000		486,920	1,179	0.24%
			0.7747 AUD/USD		1.54%	1,179	0.24%
Total Liquidity & Similar Investments					1,388,254	0	4.38%
Fixed Income & Similar Investments							
Fixed Income & Similar Investments AUD							
AUD	1,311,157.54	UNITS -D- ISHARES AUSTRALIAN BOND INDEX FUND AUD Portfolio: 3000039-70	AU60BGL01056 2244170	1.0417	1,379,551	13,730	1.01%
				1.0522 NAV 28.05.2021	4.35%	13,730	1.01%
AUD	3,034,977.56060	UNITS PERPETUAL ACTIVE FIXED INTEREST FUND AUD Portfolio: 3000039-70	AU60PER02627 35661784	1.0633	3,175,239	-51,725	-1.60%
				1.0462 NAV 27.05.2021	10.02%	-51,725	-1.60%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
AUD 4,270,992.5777	UNITS LEGG MASON WESTERN ASSET AUSTRALIAN BOND TRUST CLASS -A- AUD Portfolio: 3000039-70	AU60SSB01221 2248336	1.2515	1.2825 NAV 26.05.2021	5,477,505 17.29%	132,552 132,552	2.48% 2.48%
AUD 1,208,436.71	UNITS VANGUARD AUSTRALIAN FIXED INTEREST INDEX FUND AUD Portfolio: 3000039-70	AU60VAN00014 1653500	1.1473	1.1580 NAV 31.05.2021	1,399,370 4.42%	12,976 12,976	0.94% 0.94%
AUD 87,681	SHS -I- AUD NEUBERGER BERMAN INVESTMENT FUNDS PLC - NEUBERGER BERMAN EMERGING MARKET DEBT - HARD CURRENCY FUND AUD Portfolio: 3000039-70	IE00B986FB81 53616359	10.6231	10.8600 NAV 28.05.2021	952,216 3.01%	20,775 20,775	2.23% 2.23%
AUD 102,200	SHS PIMCO FUNDS: GLOBAL INVESTORS SERIES PLC - GLOBAL INVESTMENT GRADE CREDIT FUND INSTITUTIONAL CLASS AUD (HEDGED) AUD Portfolio: 3000039-70	IE00BLOBL78 3752613	10.7673	10.7800 NAV 28.05.2021	1,101,716 3.48%	1,295 1,295	0.12% 0.12%
AUD 348,385	SHS -L3- HEDGED AUD FEDERATED HERMES INVESTMENT FUNDS PLC - FEDERATED HERMES GLOBAL HIGH YIELD CREDIT FUND AUD Portfolio: 3000039-70	IE00BMZ15N91 57259812	3.0659	3.1926 NAV 28.05.2021	1,112,254 3.51%	44,128 44,128	4.13% 4.13%
AUD 9,403	UNITS SHS HEDGED AUD MUZINICH FUNDS - MUZINICH EMERGING MARKET CORPORATE DEBT FUND AUD Portfolio: 3000039-70	IE00BNC55647 110844223	100.4900	100.8100 NAV 28.05.2021	947,916 2.99%	3,009 3,009	0.32% 0.32%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
AUD	6,741 SHS -I AUD HEDGED- AXA WORLD FUNDS SICAV - GLOBAL INFLATION BONDS DISTRIBUTION AUD Portfolio: 3000039-70	LU1774150491 40510321	114.2871	115.5400 NAV 28.05.2021	778,855 2.46%	8,446 8,446	1.10% 1.10%
AUD	4,401 SHS -RA- GAM MULTIBOND SICAV - LOCAL EMERGING BOND DISTRIBUTION AUD Portfolio: 3000039-70	LU2128492191 52867287	96.1440	91.0400 NAV 28.05.2021	400,667 1.26%	-22,463 -22,463	-5.31% -5.31%
Total Fixed Income & Similar Investments					16,725,290 0 52.79%		
Equities & Similar Investments							
Equities & Similar Investments AUD							
AUD	5,320 REGISTERED SHS AUSTRALIA & NEW ZEALAND BANKING GROUP LTD AUD Portfolio: 3000039-70	AU000000ANZ3 640139 ANZ.AX	28.2441	28,7100 CLO 31.05.2021	152,737 0.48%	2,479 2,479	1.65% 1.65%
AUD	20,674 REGISTERED SHS ALUMINA LTD AUD Portfolio: 3000039-70	AU000000AWC3 1526402 AWC.AX	1.8122	1,7150 CLO 31.05.2021	35,456 0.11%	-2,010 -2,010	-5.36% -5.36%
AUD	31,114 REGISTERED SHS AURIZON HOLDINGS LTD AUD Portfolio: 3000039-70	AU000000AZJ1 20175896 AZJ.AX	4.6743	3,6200 CLO 31.05.2021	112,633 0.36%	-32,803 -32,803	-22.55% -22.55%
AUD	7,601 REGISTERED SHS BHP GROUP LTD AUD Portfolio: 3000039-70	AU000000BHP4 640390 BHP.AX	30.4103	47,8500 CLO 31.05.2021	363,708 1.15%	132,559 132,559	57.35% 57.35%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
AUD	2,647 331 REGISTERED SHS CARSALES.COM LTD BLOCKED PEND RECEIPT OF RIGHTS SHS-DIARSC2113280001 31.05.2021-31.05.2121 2,316 331 Freely available as of 31.05.2021 of which is pending settlement AUD Portfolio: 3000039-70	AU000000CAR3 10476764 CAR.AX	16.0059	19.2900 CLO 31.05.2021	51,061 0.16%	8,693 8,693	20.52% 20.52%
AUD	3,399 REGISTERED SHS COMMONWEALTH BANK OF AUSTRALIA AUD Portfolio: 3000039-70	AU000000CBA7 646758 CBA.AX	75.5562	99.7200 CLO 31.05.2021	338,948 1.07%	82,133 82,133	31.98% 31.98%
AUD	4,717 REGISTERED SHS COMPUTERSHARE LTD AUD Portfolio: 3000039-70	AU000000CPU5 241285 CPU.AX	15.4873	15.7100 CLO 31.05.2021	74,104 0.23%	1,051 1,051	1.44% 1.44%
AUD	891 REGISTERED SHS CSL LTD AUD Portfolio: 3000039-70	AU000000CSL8 241548 CSL.AX	139,1435	290.2100 CLO 31.05.2021	258,577 0.82%	134,600 134,600	108.57% 108.57%
AUD	2,224 REGISTERED SHS FLIGHT CENTRE TRAVEL GROUP LTD AUD Portfolio: 3000039-70	AU000000FLT9 90307 FLT.AX	19.1267	15.2300 CLO 31.05.2021	33,872 0.11%	-8,666 -8,666	-20.37% -20.37%
AUD	1,131 REGISTERED SHS FORTESCUE METALS GROUP LTD AUD Portfolio: 3000039-70	AU000000FMG4 1655130 FMG.AX	8.4965	22.4300 CLO 31.05.2021	25,368 0.08%	15,759 15,759	163.99% 163.99%
AUD	2,165 CHESS UNITS OF FOREIGN SECURITIES JAMES HARDIE INDUSTRIES PLC AUD Portfolio: 3000039-70	AU000000JHX1 1303670 JHX.AX	23.8012	42.9900 CLO 31.05.2021	93,073 0.29%	41,544 41,544	80.62% 80.62%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
AUD	1,846 REGISTERED SHS MAGELLAN FINANCIAL GROUP LTD AUD Portfolio: 3000039-70	AU000000MFG4 2807450 MFG.AX	40.2598	47.8800 CLO 31.05.2021	88,386 0.28%	14,067 14,067	18.93% 18.93%
AUD	291 REGISTERED SHS MACQUARIE GROUP LTD AUD Portfolio: 3000039-70	AU000000MQG1 3422370 MQG.AX	74.1362	151.9300 CLO 31.05.2021	44,212 0.14%	22,638 22,638	104.93% 104.93%
AUD	9,618 REGISTERED SHS NATIONAL AUSTRALIA BANK LTD AUD Portfolio: 3000039-70	AU000000NAB4 641643 NAB.AX	24.0162	26.9500 CLO 31.05.2021	259,205 0.82%	28,217 28,217	12.22% 12.22%
AUD	4,833 REGISTERED SHS NEWCREST MINING LTD AUD Portfolio: 3000039-70	AU000000NCM7 650853 NCM.AX	27.8768	28.3200 CLO 31.05.2021	136,871 0.43%	2,142 2,142	1.59% 1.59%
AUD	16,929 REGISTERED SHS NINE ENTERTAINMENT CO. HOLDINGS LTD AUD Portfolio: 3000039-70	AU000000NEC4 22858707 NEC.AX	2.8136	2.9700 CLO 31.05.2021	50,279 0.16%	2,648 2,648	5.56% 5.56%
AUD	8,601 REGISTERED SHS ORIGIN ENERGY LTD AUD Portfolio: 3000039-70	AU000000ORG5 1051439 ORG.AX	7.8653	3.9700 CLO 31.05.2021	34,146 0.11%	-33,504 -33,504	-49.53% -49.53%
AUD	2,172 REGISTERED SHS OZ MINERALS LTD AUD Portfolio: 3000039-70	AU000000OZL8 4334812 OZL.AX	10.0782	25.2900 CLO 31.05.2021	54,930 0.17%	33,040 33,040	150.94% 150.94%
AUD	13,146 REGISTERED SHS QANTAS AIRWAYS LTD AUD Portfolio: 3000039-70	AU000000QAN2 390413 QAN.AX	5.8966	4.7100 CLO 31.05.2021	61,918 0.20%	-15,598 -15,598	-20.12% -20.12%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
AUD	6,263 REGISTERED SHS QBE INSURANCE GROUP LTD AUD Portfolio: 3000039-70	AU000000QBE9 641857 QBE.AX	11.5743	10.9500 CLO 31.05.2021	68,580 0.22%	-3,910 -3,910	-5.39% -5.39%
AUD	1,659 REGISTERED SHS RIO TINTO LTD AUD Portfolio: 3000039-70	AU000000RIO1 603520 RIO.AX	72.7603	123.7300 CLO 31.05.2021	205,268 0.65%	84,559 84,559	70.05% 70.05%
AUD	1,345 SHS RESMED INC CHESS DEPOSITORY INTERESTS REPR 1/10 SH AUD Portfolio: 3000039-70	AU000000RMD6 1058638 RMD.AX	14.4915	27.1100 CLO 31.05.2021	36,463 0.12%	16,972 16,972	87.08% 87.08%
AUD	17,484 REGISTERED SHS SOUTH32 LTD AUD Portfolio: 3000039-70	AU000000S320 27547963 S32.AX	2.6148	2.9800 CLO 31.05.2021	52,102 0.16%	6,384 6,384	13.96% 13.96%
AUD	67,137 UNITS SPDR S&P/ASX 200 LISTED PROPERTY FUND EXCHANGE TRADED FUND AUD Portfolio: 3000039-70	AU000000SLF1 1377855 SLF.AX	12.5249	12.6700 CLO 31.05.2021	850,626 2.69%	9,739 9,739	1.16% 1.16%
AUD	7,239 UNITS SPDR S&P/ASX 200 FUND ETF AUSTRALIAN EQUITY EXCHANGE TRADED FUNDS AUD Portfolio: 3000039-70	AU000000STW9 1285707 STW.AX	57.4650	66.8500 CLO 31.05.2021	483,927 1.53%	67,938 67,938	16.33% 16.33%
AUD	13,494 REGISTERED SHS TELSTRA CORPORATION LTD AUD Portfolio: 3000039-70	AU000000TLS2 720464 TLS.AX	4.5954	3.5200 CLO 31.05.2021	47,499 0.15%	-14,511 -14,511	-23.40% -23.40%
AUD	2,899 SHS VANGUARD MSCI AUSTRALIAN SMALL COMPANIES INDEX ETF EXCHANGE TRADED FUND AUD Portfolio: 3000039-70	AU000000VSO2 13053435 VSO.AX	59.1150	67.9500 CLO 31.05.2021	196,987 0.62%	25,613 25,613	14.95% 14.95%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
AUD	10,751 REGISTERED SHS WESTPAC BANKING CORP AUD Portfolio: 3000039-70	AU000000WBC1 642372 WBC.AX	27.1618	26.4200 CLO 31.05.2021	284,041 0.90%	-7,975 -7,975	-2.73% -2.73%
AUD	981 REGISTERED SHS WESFARMERS LTD AUD Portfolio: 3000039-70	AU000000WES1 642397 WES.AX	32.9532	55.3900 CLO 31.05.2021	54,338 0.17%	22,011 22,011	68.09% 68.09%
AUD	3,789 REGISTERED SHS WOOLWORTHS GROUP LTD AUD Portfolio: 3000039-70	AU000000WOW2 81350 WOW.AX	32.4384	41.6200 CLO 31.05.2021	157,698 0.50%	34,789 34,789	28.30% 28.30%
AUD	5,041 REGISTERED SHS WOODSIDE PETROLEUM LTD AUD Portfolio: 3000039-70	AU000000WPL2 642429 WPL.AX	29.0162	21.8100 CLO 31.05.2021	109,944 0.35%	-36,326 -36,326	-24.84% -24.84%
AUD	7,151 REGISTERED SHS COLES GROUP LTD AUD Portfolio: 3000039-70	AU00000030678 44059594 COL.AX	16.8670	16.5700 CLO 31.05.2021	118,492 0.37%	-2,124 -2,124	-1.76% -1.76%
AUD	0 UNITS ABERDEEN STANDARD EMERGING OPPORTUNITIES FUND AUD Portfolio: 3000039-70	AU60ETL00329 2220820		2.4825 NAV 27.05.2021			
AUD	103,391.135 UNITS WHEB SUSTAINABLE IMPACT FUND AUD Portfolio: 3000039-70	AU60HHA00072 4431395	1.5342	1.5240 BID 27.05.2021	157,568 0.50%	-1,055 -1,055	-0.66% -0.66%
AUD	3,961 REGISTERED SHS THE A2 MILK COMPANY LTD AUD Portfolio: 3000039-70	NZATME0002S8 1841567 A2M.AX	14.6615	5.5200 CLO 31.05.2021	21,865 0.07%	-36,210 -36,210	-62.35% -62.35%
Total Equities & Similar Investments AUD					5,114,882 0 16.15%		

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
Equities & Similar Investments EUR							
EUR	4,846	SHS EUR ISHARES II PLC - ISHARES CORE MSCI EUROPE UCITS ETF AUD Portfolio: 3000039-70	IE00B1YZSC51 3246398 IQQY.DE	23.9487 1.5707 EUR/AUD 31.05.2021	27.4100 CLO 209,524 0.66%	27,239 26,458 781	14.94% 14.45% 0.49%
EUR	6,334	ACCUM,PTG,SHS WELLINGTON MANAGEMENT FUNDS (IRELAND) PLC - WELLINGTON STRATEGIC EUROPEAN EQUITY FUND CLASS -N- UNHEDGED EUR AUD Portfolio: 3000039-70	IE00B9DPD161 20938626	14.9673 1.5282 EUR/AUD 28.05.2021	21.4033 NAV 213,845 0.68%	68,964 64,304 4,660	47,60% 43,00% 4,60%
EUR	15,533	ACCUM SHS -1C- USD XTRACKERS(IE)PLC - XTRACKERS MSCI WORLD ESG UCITS ETF AUD Portfolio: 3000039-70	IE00BZ02LR44 41359963 XZW0.DE	25.8520 1.5482 EUR/AUD 31.05.2021	26.3450 CLO 645,497 2.04%	23,803 12,078 11,724	3.83% 1.91% 1.92%
Total Equities & Similar Investments EUR					1,068,865 0 3.37%		
Equities & Similar Investments GBP							
GBP	465	ACCUM SHS GBP ISHARES VII PLC - ISHARES CORE FTSE 100 UCITS ETF GBP (ACC) AUD Portfolio: 3000039-70	IE00B53HP851 10737489 CUKX.L	112.9165 1.7703 GBP/AUD 28.05.2021	120.4800 CLO 102,804 0.32%	9,850 6,454 3,396	10.60% 6.70% 3.90%
Total Equities & Similar Investments GBP					102,804 0 0.32%		

Number/ Nominal	Description		Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
Equities & Similar Investments JPY								
JPY	520	UNITS NEXT FUNDS NIKKEI 225 EXCHANGE TRADED FUND AUD Portfolio: 3000039-70	JP3027650005 1264151 1321.T	20,119.1538 83.4958 AUD/JPY	29,950.0000 CLO 31.05.2021	183,597 0.58%	58,297 60,264 -1,967	46.53% 48.86% -2.34%
Total Equities & Similar Investments JPY						183,597 0 0.58%		
Equities & Similar Investments USD								
USD	149	ACCUM,PTG.SHS ISHARES VII PLC - ISHARES NASDAQ 100 UCITS ETF USD AUD Portfolio: 3000039-70	IE00B53SZB19 10737617 CSNDX.S	286.7120 0.7948 AUD/USD	771.3000 CLO 31.05.2021	148,706 0.47%	94,956 93,428 1,528	176.66% 169.02% 7.65%
USD	3,419	ACCUM,PTG.SHS WELLINGTON MANAGEMENT FUNDS (IRELAND) PLC - WELLINGTON GLOBAL HEALTH CARE EQUITY FUND CLASS -N- UNHEDGED USD AUD Portfolio: 3000039-70	IE00B84TGD38 20722572	36.7286 0.7732 AUD/USD	36.9425 NAV 28.05.2021	163,435 0.52%	1,036 946 89	0.64% 0.58% 0.06%
USD	4,853	ACCUM SHS -1C- USD XTRACKERS (IE) PLC - XTRACKERS MSCI USA UCITS ETF AUD Portfolio: 3000039-70	IE00BJ0KDR00 24268896 XD9U.L	92.2228 0.7098 AUD/USD	118.9400 CLO 31.05.2021	746,891 2.36%	116,377 167,772 -51,396	18.46% 28.97% -10.51%
USD	13,262	SHS -R (ACC.)- GOLDMAN SACHS FUNDS SICAV - GOLDMAN SACHS EMERGING MARKETS EQUITY PORTFOLIO CAPITALISATION AUD Portfolio: 3000039-70	LU0830622741 19578737	14.7192 0.7015 AUD/USD	21.0900 NAV 28.05.2021	361,913 1.14%	83,633 109,325 -25,692	30.05% 43.28% -13.23%

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
USD	56,288 SHS -UCITS ETF USD C- AMUNDI INDEX SOLUTIONS SICAV - AMUNDI MSCI EMERGING MARKETS CAPITALISATION AUD Portfolio: 3000039-70	LU1681045453 38785088 AUEM.PA	4.8465 0.7269 AUD/USD	6,2914 CLO 31.05.2021	458,228 1.45%	82,927 105,239 -22,311	22.10% 29.81% -7.72%
USD	565 SHS -C- SCHRODER INTERNATIONAL SELECTION FUND SICAV - GLOBAL ENERGY TRANSITION CAPITALISATION AUD Portfolio: 3000039-70	LU2016063229 48843442	222,7277 0.7756 AUD/USD	216,0262 NAV 31.05.2021	157,933 0.50%	-4,317 -4,899 583	-2.66% -3.01% 0.35%
USD	123 SHS -EBP- CS INVESTMENT FUNDS 2 SICAV - CREDIT SUISSE (LUX) THEMATIC OPPORTUNITIES EQUITY FUND CAPITALISATION AUD Portfolio: 3000039-70	LU2269158932 58758856	1,009,5100 0.7756 AUD/USD	986,5300 NAV 28.05.2021	157,013 0.50%	-3,083 -3,657 575	-1.93% -2.28% 0.35%
USD	764 TRUST UNITS SPDR S&P 500 ETF TRUST AUD Portfolio: 3000039-70	US78462F1030 45088 SPY.P	241,9643 0.7565 AUD/USD	420,0400 CLO 28.05.2021	415,244 1.31%	170,876 176,042 -5,166	69.93% 73.60% -3.67%
USD	4,007 SHS FINANCIAL SELECT SECTOR SPDR FUND AUD Portfolio: 3000039-70	US81369Y6059 986018 XLF.P	32,4568 0.7804 AUD/USD	37,9900 CLO 28.05.2021	196,973 0.62%	30,315 28,689 1,626	18.19% 17.05% 1.14%
Total Equities & Similar Investments USD					2,806,336 0 8.86%		
Total Equities & Similar Investments					9,276,483 0 29.28%		

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
Alternative Investments, Commodities & Real Estate							
Hedge Funds							
AUD	490,914.23	UNITS BLACKROCK GLOBAL ALLOCATION FUND (AUST) CLASS -D- WHOLESALE AUD Portfolio: 3000039-70	AU60MAL00181 3379478	1.2334	1.4320 NAV 28.05.2021	702,982 2.22%	97,494 97,494 16.10%
AUD	2,733	ACCUM SHS -I- HEDGED AUD PGIM FUNDS PLC - PGIM QMAW KEYNES SYSTEMATIC ABSOLUTE RETURN FUND AUD Portfolio: 3000039-70	IE00BKV41X02 54282717	101.1169	111.8260 NAV 27.05.2021	305,620 0.96%	29,268 29,268 10.59%
AUD	6,292.382	ACCUM SHS -A- AUD MARSHALL WACE FUNDS PLC - MW GLOBAL OPPORTUNITIES FUND AUD Portfolio: 3000039-70	IE00BMPRT797 56741323	102.4432	101.6126 NAV 30.04.2021	639,385 2.02%	-5,226 -5,226 -0.81%
USD	164.429	RED.PTG.SH.S -A- CS RENAISSANCE ALTERNATIVE ACCESS FUND LTD USD AUD Portfolio: 3000039-70	KYG258511099 34032546	1,133.2808 0.7185 AUD/USD	898.6037 EST 21.05.2021	191,190 0.60%	-68,174 -49,931 -26.29%
Total Hedge Funds					1,839,178 0 5.81%		
Private Equity							
AUD	248,927.18	UNITS PARTNERS GROUP GLOBAL VALUE FUND (AUD) WHOLESALE AUD Portfolio: 3000039-70	AU60ETL02762 26607292	2.0617	2.8349 NAV 30.04.2021	705,684 2.23%	192,465 192,465 37.50%
Total Private Equity					705,684 0 2.23%		

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
Commodities & Precious Metals							
USD	237	UBS ETC UBS AG, LONDON BRANCH 2007- OPEN END ON UBS BLOOMBER CMCI COMPOSITE TOTAL RETURN AUD Portfolio: 3000039-70	CH0031794263 3179426 TCMCI.S	971.5610 0.8149 AUD/USD	1,113.0000 CLO 31.05.2021	341,320 58,745 43,375 15,371 1.08%	20.79% 14.56% 6.23%
Total Commodities & Precious Metals					341,320 0 1.08%		
Real Estate							
AUD	22,775	STAPLED SECURITY DEXUS AUD Portfolio: 3000039-70	AU000000DXS1 3819970 DXS.AX	11.1990	10.4300 CLO 31.05.2021	237,543 -17,514 -17,514 0.75%	-6.87% -6.87%
AUD	26,011	STAPLED SECURITY GOODMAN GROUP AUD Portfolio: 3000039-70	AU000000GMG2 18079202 GMG.AX	9.6273	19.4300 CLO 31.05.2021	505,394 254,977 254,977 1.60%	101.82% 101.82%
AUD	48,048	STAPLED SECURITY MIRVAC GROUP AUD Portfolio: 3000039-70	AU000000MGR9 821911 MGR.AX	1.8618	2.7900 CLO 31.05.2021	134,054 44,596 44,596 0.42%	49.85% 49.85%
Total Real Estate					876,991 0 2.77%		

Number/ Nominal	Description	Identification ISIN Valoren Number Ticker	Cost Valuation Price Exchange Rate	Current Valuation Price/ Type Date	Value in AUD of which Accrued Interest Proportion in %	Profit/ Loss Unrealized in AUD of which Instrument of which Forex	P/L Unreal. in % Instr. in % FX in %
Other Alternative Investments							
AUD	4,689	PTG.SHS LEGG MASON GLOBAL FUNDS PLC - LEGG MASON WESTERN ASSET MACRO OPPORTUNITIES BOND FUND PREMIER CLASS DISTRIBUTING (S) HEDGED AUD AUD Portfolio: 3000039-70	IE00BYQZZ17 28828240	102.6787	112.2900 NAV 28.05.2021	526,528 1.66%	45,067 45,067 9.36%
Total Other Alternative Investments					526,528 0 1.66%		
Total Alternative Investments, Commodities & Real Estate					4,289,701 0 13.54%		
Total Investments					31,679,728 100.00%		
of which Accrued Interest					0		

4. Appendix

4.1. Explanations

Accrued Interest

Accrued interest is not displayed for financial instruments with variable interest rate or frequency within the same interest period, except for Floating Rate Notes. For FINER Revexus, the accrued interest displayed is based on the deposit currency for reference purpose only. Entitlement to the accrued interest depends on the product features. All accrued interests are displayed in the reporting currency of the portfolio and are calculated recognizing trades end of day. The FX conversion rates (reflected below) are used to convert the amount from original currency to reporting currency. The accrued interest payable/receivable is displayed as the net amount on Current Account balances. As a result of the foregoing and other factors, the accrued interest is only an estimate and may not reflect the actual interest accrued, if any.

Activity Summary

The asset inflows and outflows include client-instructed transactions, which are aggregated as Net Investment Asset Flows. Non-Investment Flows refer to transactions related to Non-Investment Related Positions such as loan transactions to finance such Non-Investment Related Positions. Non-investment Flows do not contribute to the performance of the account. Such asset inflows and outflows do not include fees and taxes.

Analyses

Values displayed for the respective month labels are as of month-end dates. If the report end period is not a month-end, the report period end month label will show the values as of the report period end date.

Asset Classification

If an instrument is classified as 'not classifiable', the instrument is pending its proper classification. As soon this is available in the system, the instrument will reflect the correct classification.

Cost Valuation Exchange Rates

For the Positions section, the cost valuation exchange rate displayed is always the instrument currency against the portfolio currency.

For the Transactions section, the cost valuation exchange rate displayed is always between the instrument currency and reporting currency. For execution of FX purchase/sale transactions, the transaction valuation is based on the end of day exchange rate on the value date and the cost valuation is based on the FX contract rate.

Duration

Modified duration is a change in the price of a bond arising from a change in market yields. Modified duration is expressed as an approximate percentage. The investment report displays the Modified Duration method for all Fixed Income instruments.

Fees/ Taxes

Fees include management or safekeeping fees.

Taxes include value-added taxes and service related taxes, depending on country specific rules.

Income Summary

Coupon received and coupon paid, as well as interest earned and interest paid, does not include accrued or unpaid coupon or interest.

Year to date figures include the addition of the monthly figures inclusive of any backdated income processing/ adjustments.

Figures shown can be gross or net depending on the specific country and market practice.

Non-Investment related Income is included in the Income Summary.

Market Value

The values stated as begin of period are asset values as of the last reported statement period.

The values stated as beginning/ ending market values are asset values that are inclusive of most updated market prices and backdated transactions.

Non-allocable Effect

As a general rule, in most cases the sum of all the return contributions usually equal the portfolio return figure indicated. In some cases, however, the two figures may not tally exactly (for example, due to rounding differences). These discrepancies are being accounted for and indicated as "Non-allocable effect" return contribution.

Non-Investment Related Positions

Non-Investment Related Positions refer to non-asset/ non-investment type positions such as those relating to insurance policies or mortgages. Guarantees, standby letters of credit, holdcovers or other credit instruments which have been issued by the Bank pursuant to facilities granted are reflected under the sub-section entitled "Pro Memoria Positions".

Non-Investment Related Positions are displayed in the Scope of Analysis and in the

Non-Investment Related Positions section. However, they are not included in any other analyses.

Performance Calculation

The performance figures are calculated based on investment related positions using the TWR Daily method (Time Weighted Rate of Return), which is based on geometrically linking daily rates of return.

The start of period displayed for the performance calculation is referring to Beginning Market Value, which is the closing balance of the previous day. The end of period displayed is referring to Ending Market Value, which is the closing balance of the day.

The net of fees and gross of taxes return is calculated after deduction of fees and before deduction of taxes.

The cumulative return calculation is reset, every time when geometrically linking the rates of return would render distorted values. Such scenarios can happen when the market values fluctuate around zero.

Return values prior 2015 displayed in this report might be different from previously reported return values.

Profit/ Loss Calculation

Realized and unrealized profit and loss are calculated by comparing the market or transaction value with the average cost value. For every trade date the system computes the average cost, first processing investments before disinvestments. Transaction costs are included in both realized and unrealized profit/loss calculation.

Unrealized profit/ loss displayed in the Positions section are calculated as of the reporting date. FX conversion rates used in the computation of the unrealized profit/loss is the derived rate based on the average price as of the individual transaction date.

Rating

Rating refers to the rating of an investment product and is either based on information available to the Bank or is obtained from sources believed to be reliable by the Bank as of the investment report date.

Return contribution

The contribution figure refers to the contribution of an individual asset category and/or currency to the overall performance on a portfolio level. The figure is calculated based on investment related positions using the TWR Daily method (Time Weighted Rate of Return), the return is computed by aggregating the daily returns.

Reference to the average weight of an instrument is computed by dividing the aggregated daily instrument weight by the number of days in the reporting period. The daily weight of an instrument is calculated by dividing the instrument's start of day market value and cash flow by the portfolio's start of day market value and cash flow.

Yield

The investment report displays Yield for all Fixed Income instruments and is displayed per market price.

Abbreviations

BID = Bid Price

CLO = Closing Price

EST =

NAV = Net Asset Value

Rounding logic

Values in this investment report are calculated with exact numbers, however when presenting the data, values are rounded and therefore minor rounding differences might occur.

Large Numbers

The figures are consolidated and shown in denominations of thousands, millions and billions where applicable. If a value is too long to be displayed in the report itself, e.g. 1,526,555,333.26 the figure is consolidated and displayed as 1,526,555.33 in thousands in the report. If the value exceeds the column limit, a further division will take place and the phrase in millions/in billions will be displayed.

Conversion Rates as of 31.5.2021

AUD 1.0000 = JPY 84.8272

AUD 1.0000 = USD 0.7728

EUR 1.0000 = AUD 1.5774

GBP 1.0000 = AUD 1.8350

4.2. Legal Information

This ad-hoc investment report is a statement of account provided to you upon your request and in accordance with and subject to the Account Opening Terms and Conditions.

For accounts booked with Credit Suisse AG, Hong Kong Branch: This ad-hoc investment report has been generated specifically for you as additional information for reference only and is not to be treated as the monthly statement of account under section 11(2) of the Securities and Futures (Contract Notes, Statements of Account and Receipts) Rules which we provide to you on a regular basis. This ad-hoc investment report shall be conclusive and binding if the Bank does not receive your objection in writing to any matters contained in this ad-hoc investment report within 90 days from the issue date.

For accounts booked with Credit Suisse AG, Singapore Branch: This ad-hoc investment report shall be conclusive and binding if the Bank does not receive your objection in writing to any matters contained in this ad-hoc investment report within 14 days from the issue date. Assets detailed within this ad-hoc investment report will not be directly custodied by Credit Suisse AG, Singapore Branch but with third party custodians in accounts for and on behalf of Credit Suisse AG, Singapore Branch, unless otherwise informed by the Bank.

For All:

Please refer to the Important Notice on Sales Disclosure to Investors for sales related information including information on monetary benefits received by the Bank where it distributes an investment product to you.

The prices reflected for instruments and other information detailed within this ad-hoc investment report are attained or derived by the Bank from market data sources believed to be reliable, however the Bank does not make any representation as to the accuracy or completeness of such prices or information. In the absence of reliable market reference prices, the Bank may assign a nominal value or make an appropriate comment on the ad-hoc investment report. As a result, this ad-hoc investment report may contain price indications or comments as the Bank sees appropriate in the prevailing circumstances. If you have any queries in this respect, please contact your Relationship Manager.

The Bank provides price indications for financial derivatives transactions, structured products and non-listed financial instruments based upon available market reference prices believed to be reliable. The Bank does not make any representation as to the accuracy or completeness of price indications for transactions nor the guarantee to buy/sell at the price indicated. The

Bank does not accept liability for any loss arising from the client's use of, or reliance on, such price indications. The price indications of the initial purchase price may be different from the actual purchase price.

The Bank will, at the time of printing this ad-hoc investment report, use the last price indications available to it. Due to the time differences between the Asia Pacific region and markets in other regions, the price indications reflected by the Bank in this ad-hoc investment report will not always reflect the price indications available on the last business day of the reporting period in certain markets.

The Bank may use either an onshore or offshore CNY rate for FX conversion to reporting currency depending on the asset. Please note that there may be a differential between the onshore and offshore rate. Please refer to your Relationship Manager if you need further information on the FX conversion rate applied in relation to your CNY positions.

If you have any credit facilities in place with the Bank, please note that potentially all of the assets detailed within this ad-hoc investment report may be held as collateral for those facilities. If you have any questions in relation to the collateral for your facility, please contact your Relationship Manager.

The information in this ad-hoc investment report does not constitute legal or tax advice. You should consult your legal and/or tax experts if you need any such advice. The investment report does not take tax rules and regulations into consideration, and thus it cannot be used for tax reporting purposes.

The fee charged for the provision of the Bank's Advisory Service (referring to portfolio(s) ending with -30 to -39) is a Flat Fee notwithstanding that prior to June 2017 the fee may have been described as a Management Fee or All-In Fee in statements or documents received by the client whether by hardcopy, email, Internet Banking or any other form of delivery.

Hong Kong Deposit Protection Scheme (the "DPS"): "Protected deposit" is defined under section 2(1) of the Deposit Protection Scheme Ordinance (Cap. 581 of the Laws of Hong Kong) (the "Ordinance"). Protected deposit does not include those specified in section 1 of Schedule 1 of the Ordinance. In particular, please note that a deposit held or placed in an account with the Bank's Singapore branch is not a protected deposit (as defined in the Ordinance) and consequently is not eligible for the protection under the DPS, notwithstanding that the

account holding the deposit is managed by representatives of the Bank's Hong Kong branch. In addition, a deposit held or placed in an account with the Bank's Hong Kong branch where the current term negotiated and agreed exceeds 5 years is not a protected deposit as defined in the Ordinance and consequently is not eligible for protection under the DPS. Certificates of Deposit: Investments in certificates of deposit are not protected deposits as defined in the Ordinance and consequently are not eligible for protection under the DPS.

An individual who is an account holder of an Individual or Joint Account with RMB Services opened and maintained with the Bank's Hong Kong branch is requested to notify the Bank immediately if there is any change to such individual's status in terms of holding a HK Identity Card or not.

This ad-hoc investment report is an electronically generated report and does not require a signature.

Agenda Item 9

Secretariat report

APNIC Secretariat Report

EC Meeting

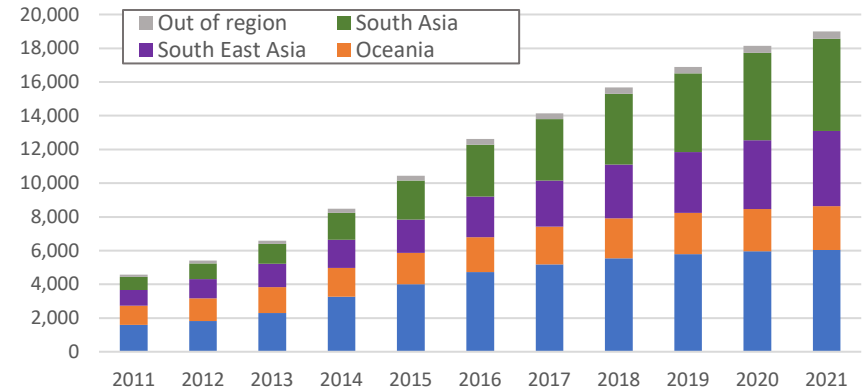
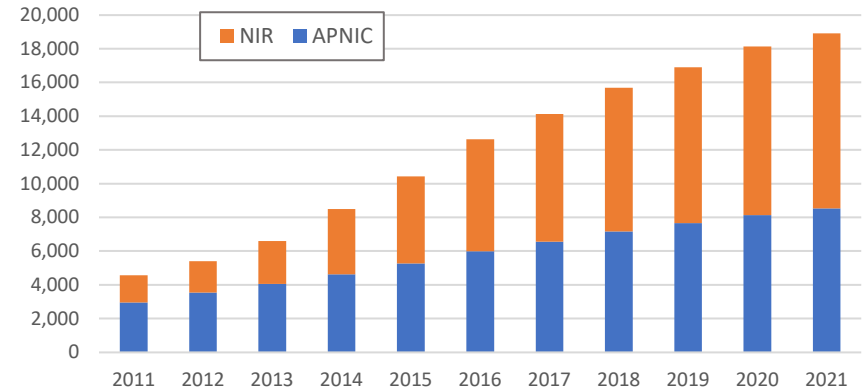
21 June 2021

Online

Member Services



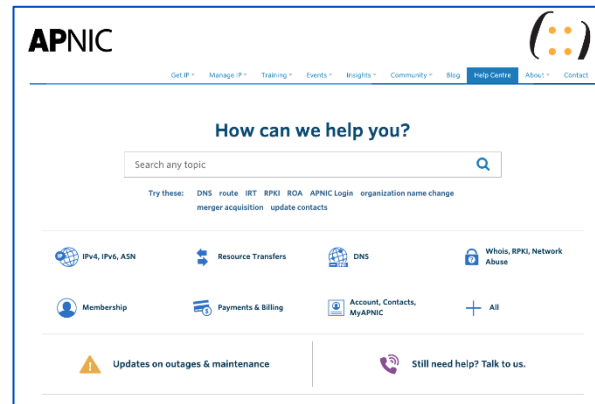
- Total APNIC Members 8,525
- Service satisfaction 93% 'excellent' and 'above average' (1,141/1,231)
- 100% SLA response time on Helpdesk queries
- Fraud cases ave 1.4 per month
- User Feedback Group now 420
- All community feedback items actioned



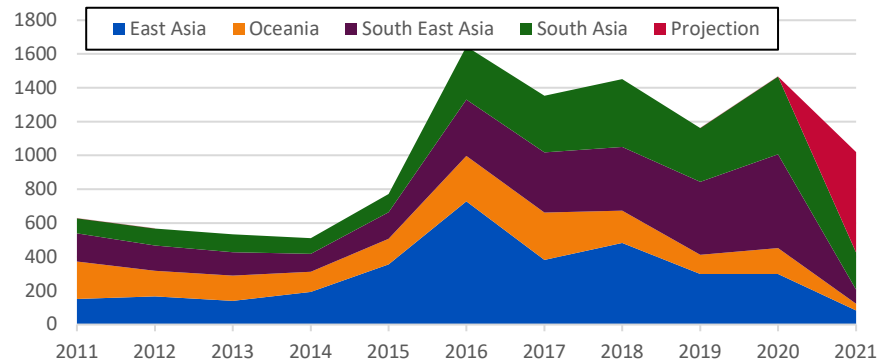
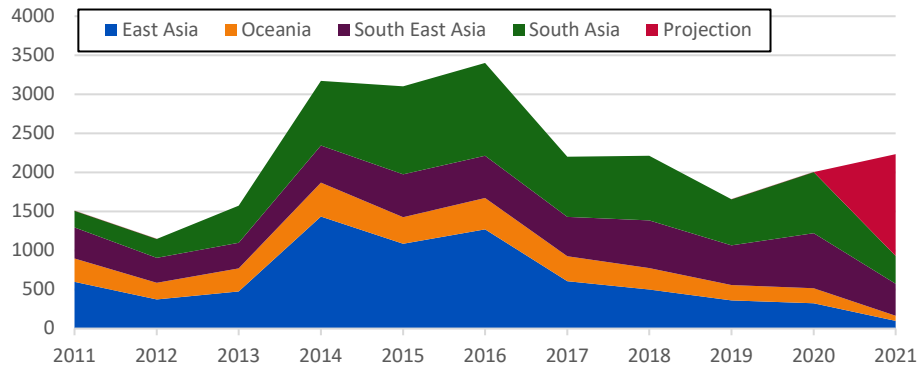
Membership Products



- Help Centre deployed
- 'Tribe' selected for Community Platform
- Improvements to EC election dashboard reduced support requests
- Improvements underway on MyAPNIC billing section
- Began migration of MyAPNIC management functions from Perl to Java
- New testing infrastructure, used for election system and membership application form

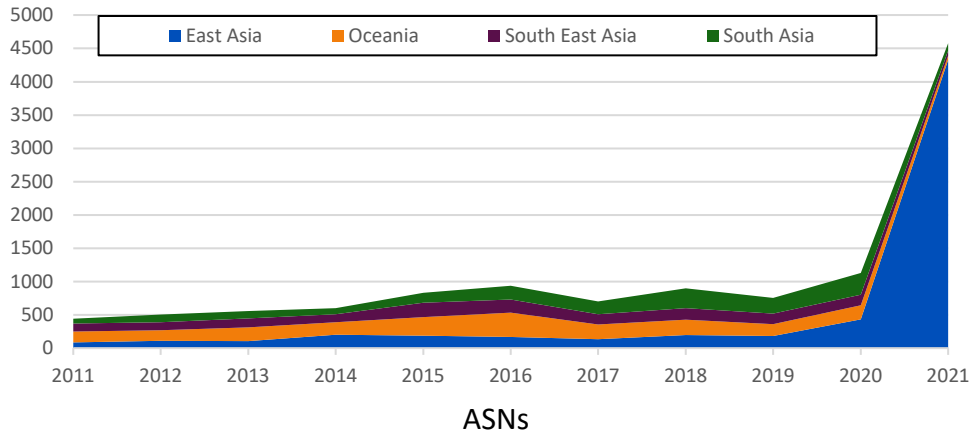


Resource Delegations

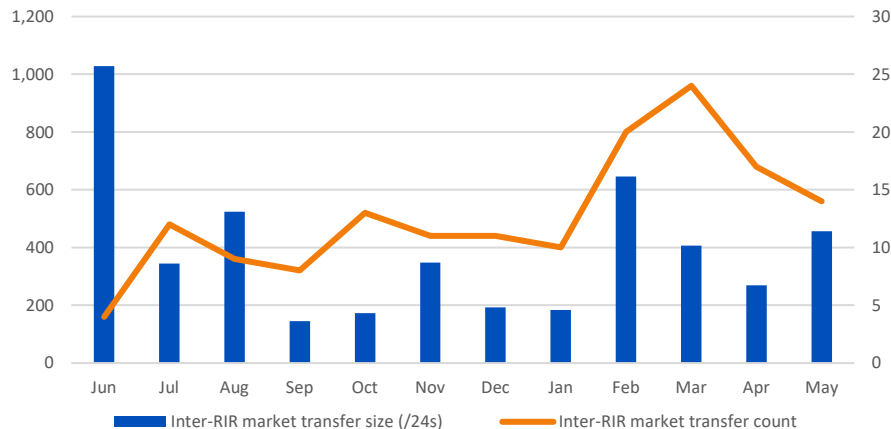
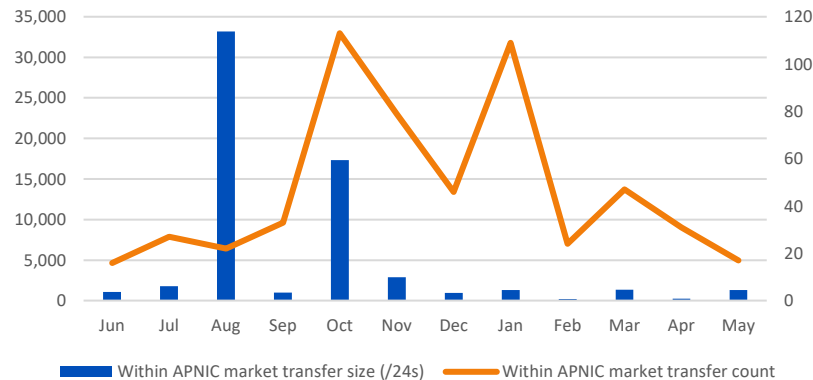
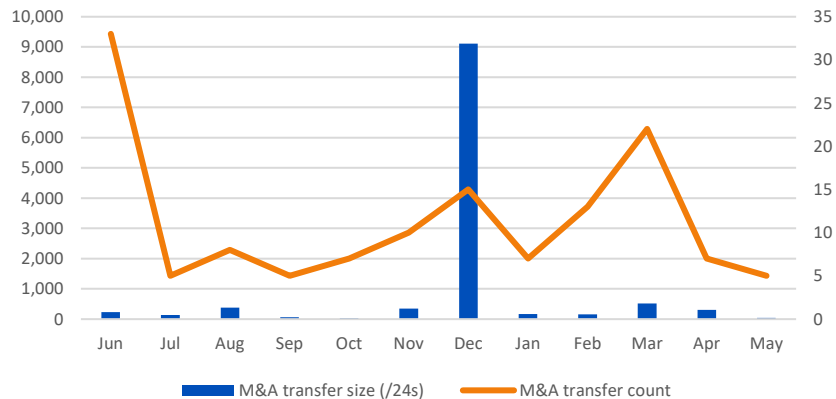


IPv4

IPv6



APNIC Transfers



Registration Services



- Registry accuracy
 - IRT email validation rate 70.03%
 - Worked started on measuring NRO data for ITHI
- Reclaiming unused (unrouted) IPv4 addresses

Status	Total	Percentage
No response	71	24.23%
Not contactable	52	17.75%
Yet to contact	48	16.38%
Prefixes being claimed	38	12.97%
Prefixes claimed	31	10.58%
Prefixes returned	54	18.43%
Total prefixes	293	100%

Registry Products



- NIR API work to improve accuracy of APNIC's data sources is almost complete
- Significant performance improvement to ARMS (5-10x faster for typical requests)
- Next generation registry design work started
- RPKI repository made entirely atomic to avoid inconsistency
- NRO/RIR RDAP profile published in IANA repository

Policy Development

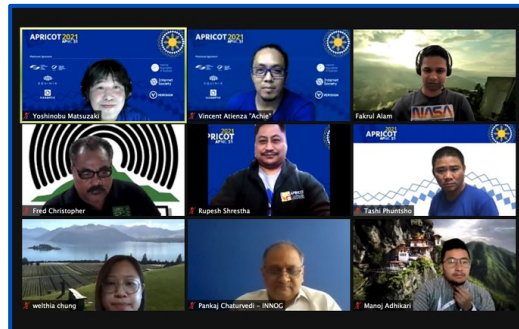


- *prop-133: Clarification on Sub-Assignments* reached consensus and endorsed by EC via circular resolution on 23 April
- Working Group formed to discuss Policy Document Review report and develop proposals for APNIC 52

APNIC Conferences



- APRICOT 2021/APNIC 51
 - 852 attendees (Zoom) + 3,855 YouTube
 - Participant satisfaction rate 93% (target 90%)
- APNIC 52
 - Program Committee selected and Call for Papers launched
 - Testing new chat and networking functionality, and transcription (Otter)
 - New online fellowships program in progress: 46 fellows (24 M + 22 F)
 - 12 presentations in 5 months
 - Academy
 - Voluntary mentors providing guidance during APNIC 52



Technical Community Support



- Participated in nine technical community events
 - including five NOGs
- Supporting formation of PKNOG
- Delivered five training sessions and three presentations at security community events
- Sponsored seven security community events

Internet Organization Cooperation



Internet organization cooperation

- Launched study on Internet's "technical success factors"
 - Joint funding with LACNIC
 - Analysys Mason selected
- RIR meetings (all online)
- NRO EC and CGs
- ITCG (Internet Tech Community)

Internet governance

- Three session proposals for IGF; attended eight MAG meetings
 - Joyce Chen a MAG member
- Two workshop proposals for APriIGF; participated in six MSG meetings and five PC meetings
- Participated in HKIGF and sponsored/participated at bdSIG

Governmental Engagement

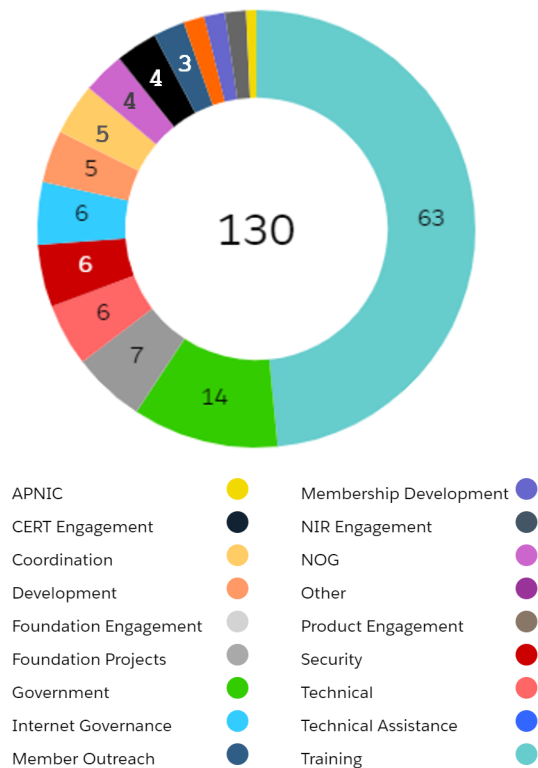


- ITU: participated and observed at 11 meetings
- APT: Training agreement for six APT states
- OECD: Contributed to routing security paper
- APEC TEL: Presented at APEC TEL 62 sessions
- Provided advice to AU government ahead of ITU and APT meetings
- Presented at the Daniel K. Inouye Asia Pacific Center for Security Studies Executive Cybersecurity Workshop

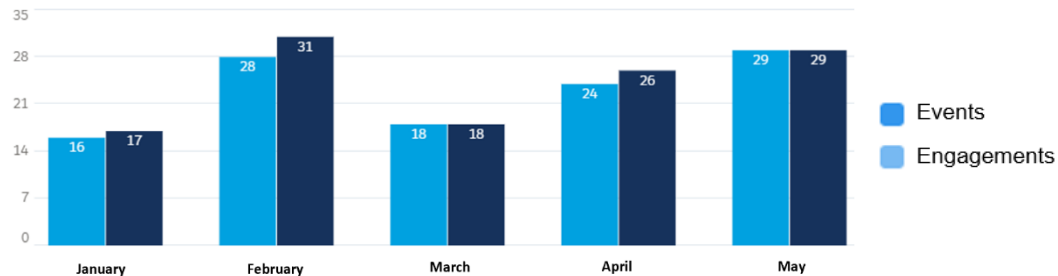
Community Engagement



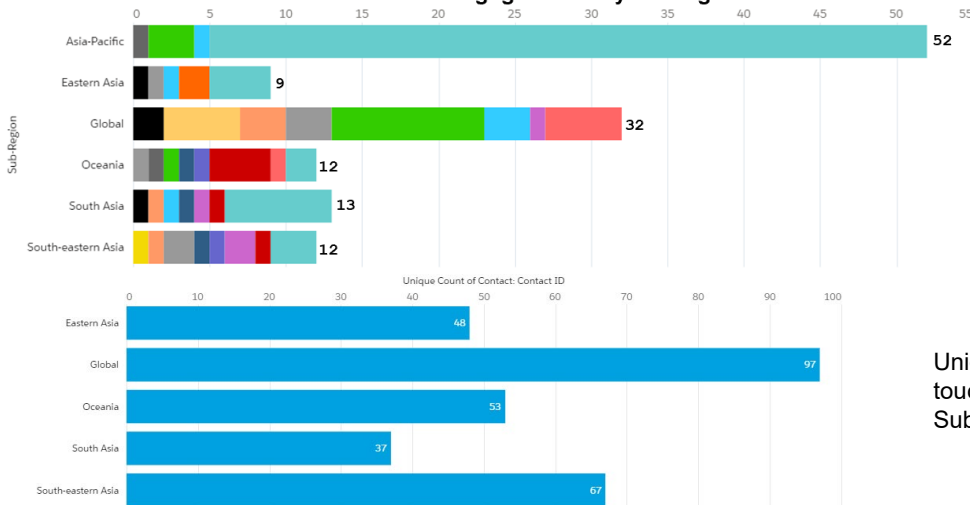
Total Counts by Engagement Type



Events vs Engagements by Month



Number of engagements by Subregion

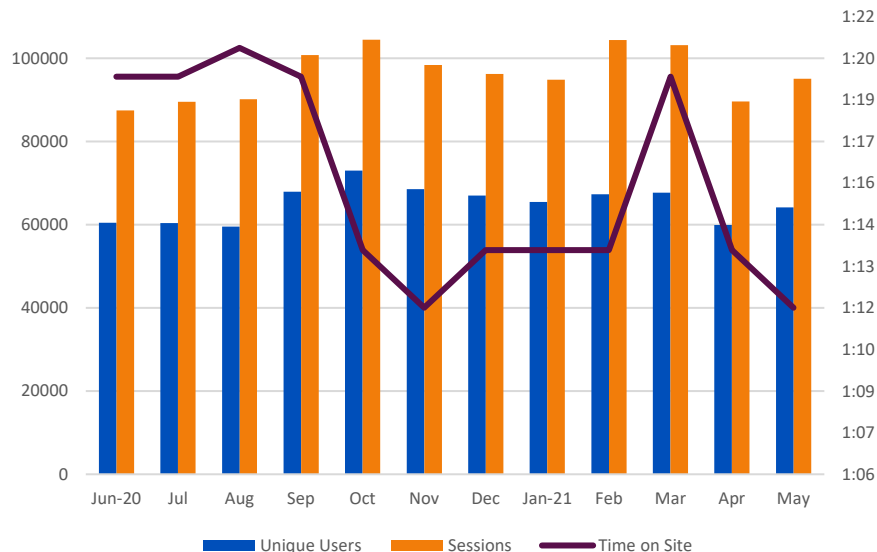


Unique touchpoints by Subregion

Community & Online Participation



- SIGs
 - 473 meeting participants
 - 1,308 mailing list subscribers
- EC quarterly discussions with community representatives – first in April
- Encouraging newcomers
 - 317 conference newcomers
 - 180 new Blog subscribers
 - 687 new Academy users
 - 407 new Twitter followers
 - 453 new LinkedIn followers



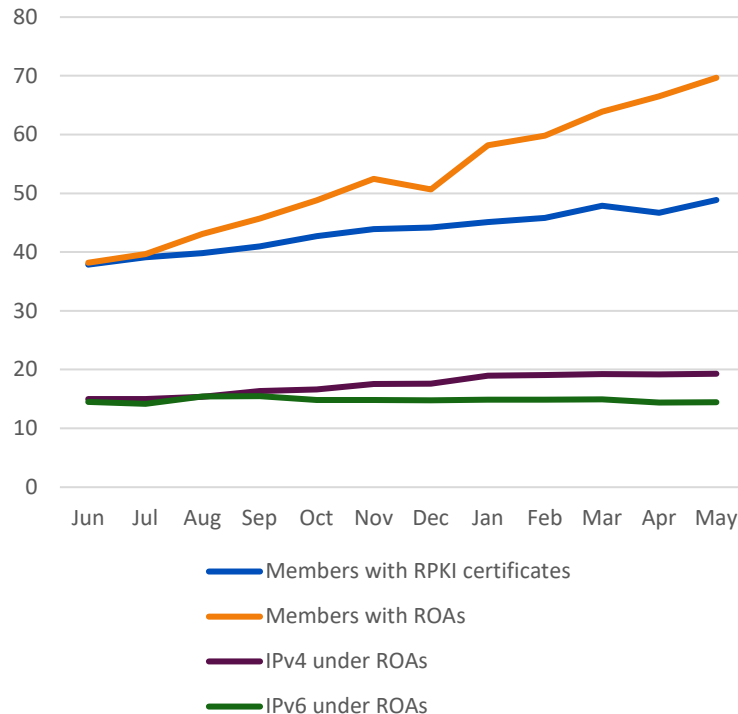


- Online training due to COVID-19 restrictions
- 24 Community Trainers
21 engaged for 34 events
- New content: Network Management and Monitoring; Network Automation; three courses updated; five new virtual labs
- TA support for 22 Members on RPKI, network design and IXP
 - Academy platform TA feature in development
- Bengali added to Academy platform and Mongolian subtitles added to online courses

	Live Online	Academy
Courses	54	441 completions; 1,173 enrolments
Students	1,084	2,130 new (13,700 in total)
Student days	1,915	
Locations		41 economies
Virtual Labs		2,052 labs 2,100 hours
Webinars		9 webinars 532 attendees



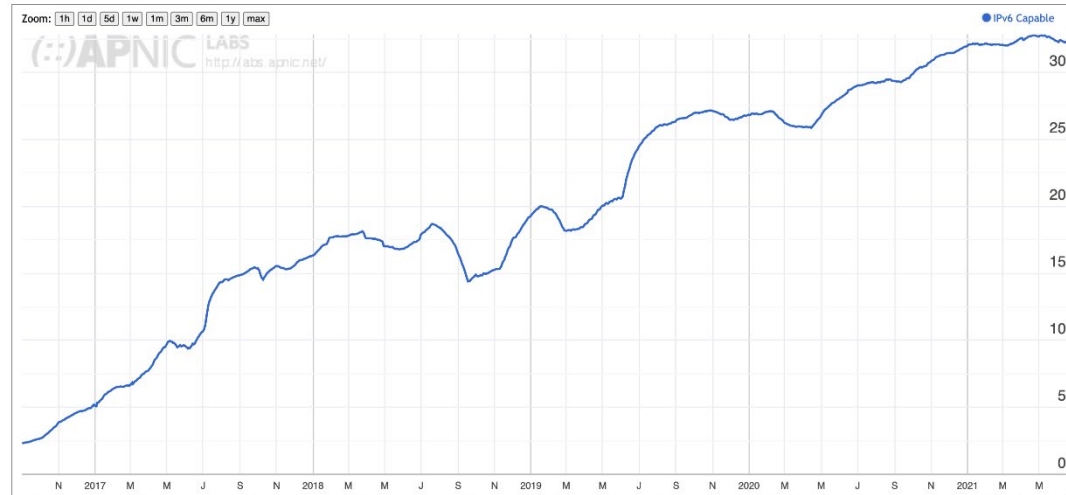
- ROA adoption
 - 50.67% to 69.69% of Members
 - 17.6% to 19.3% of IPv4 space
 - PK, MV and TO achieved over 90% ROA coverage
- Three RPKI deployment success stories published
- 17 RPKI training events
- New Labs ROA measurement tool:
<https://stats.labs.apnic.net/roa>

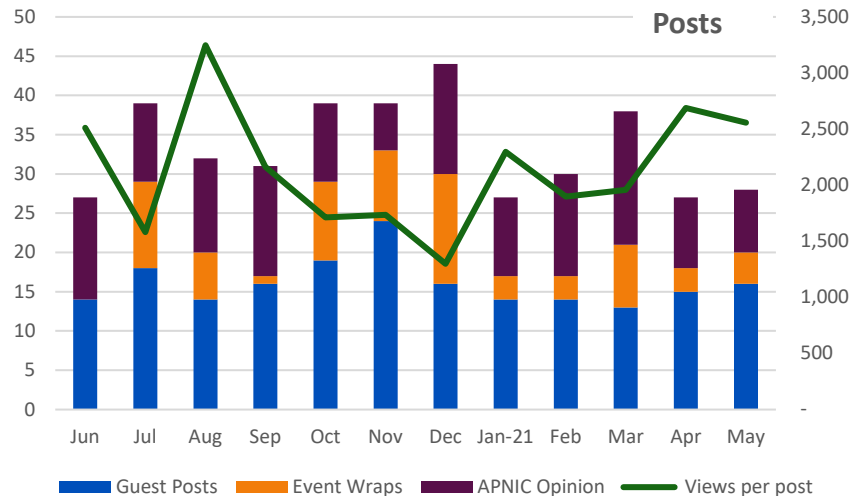
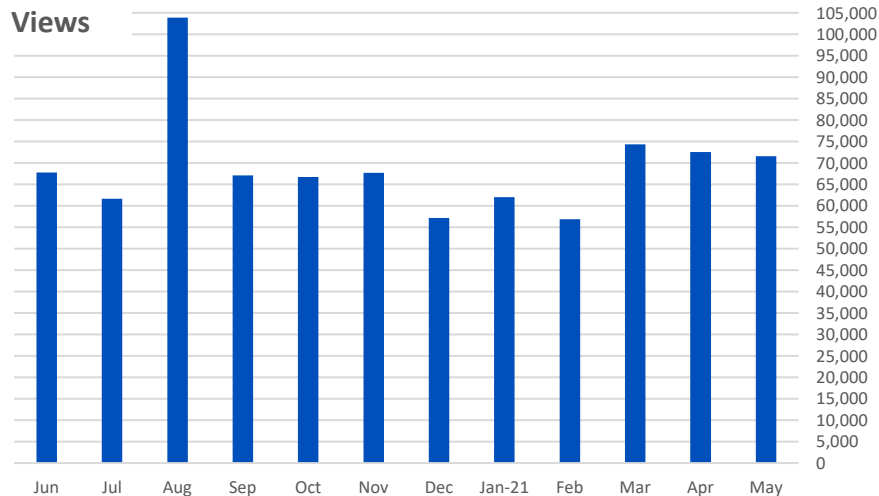


IPv6



- 11 online IPv6 tutorials (AU x7 PK, VU, CN, TH)
- One new IPv6 deployment success story published
- 34.76% IPv6 capability for region

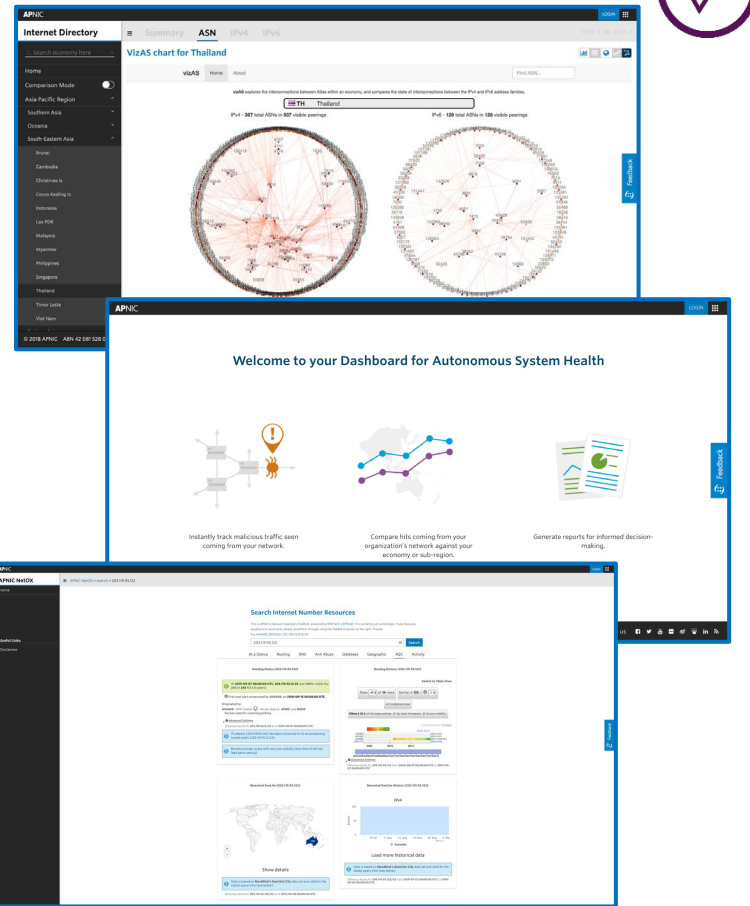




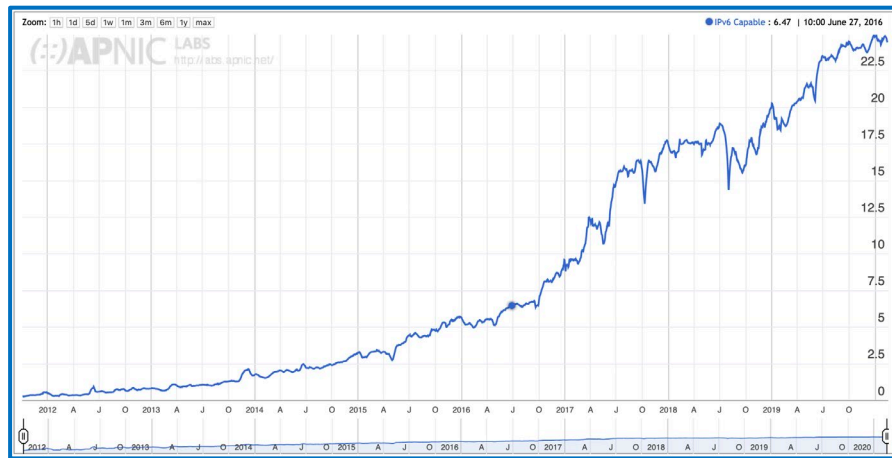
- 67,498 views/month (↑ 4% on 2020)
- 2.9M views
- ‘Recommend posts’ function in development

Information Products

- Internet Directory
 - New name, Resource Explore (REX), being tested with users
 - New version launched and in beta testing
 - NPS 44, Usability 4.4, 87% returning users
- DASH
 - Recurring reports released with 20 users setting it up to date
 - DASH webinar to 45 attendees from 20 economies
 - NPS 71, Usability 4.5, 124% returning users
- NetOX
 - New 'Experimental' tab for widgets to improve usability
 - 'Share' feature designed; pending implementation
 - NPS 69, Usability 4.4, 203% returning users



Research and Analysis



- 16 presentations (online) at RIRs, NOGs, IETF
- 15 research blog posts in 2021 to date
- Research projects
 - IPv6 capability
 - Advertised, unadvertised and reserved pools analysis
 - BGP growth and anomaly detection
 - RPKI ROA monitor developed
 - DNS research — DOH usage, large responses
- Cooperative research
 - Routing data for MANRS
 - ITHI measurement framework
 - Cloudflare collaboration

Internal Technical Infrastructure



Architecture and technical coordination

- Inter-system tracing and management requirements adopted
- Rust used experimentally by Information Product team; first to have gone through full tech coord process
- Workflow for documenting and implementing APIs reviewed and improved
- New SSO architecture developed

Network and infrastructure operations

- Investigating shared POP deployment in SG both critical services and M-root
- Signed up to NextDC carbon offset program

System and platform operations

- Deployed two new high-performance arrays in two data centres
- Completed upgrade of on-prem Kubernetes test cluster
- Migration of DNSSEC signer to Knot underway

CSIRT operations

- 22 vulnerability reports received; 16 solved \leq 90-day, three $>$ 90-day, three in progress
- Cyber fraud awareness training completed with Services and Finance teams
- ISO 27001 policies and procedures updated

Enterprise application management

- Initial work on migration to Atlassian for confluence completed
- Implemented next-gen backup solution for CRM
- Initial implementation of DocuSign completed

Service availability

- 99.99% critical services; 99.97% non-critical services

Finance and Business Services



- Internal audits underway for ISO9001:2016 QMS
- Annual audit of 2020 accounts completed
- Intranet migration continues (Confluence)
- 2021 Activity Plan implemented into APNIC accounts
- COVID-19 response
 - Hybrid of WFH and WFO continues

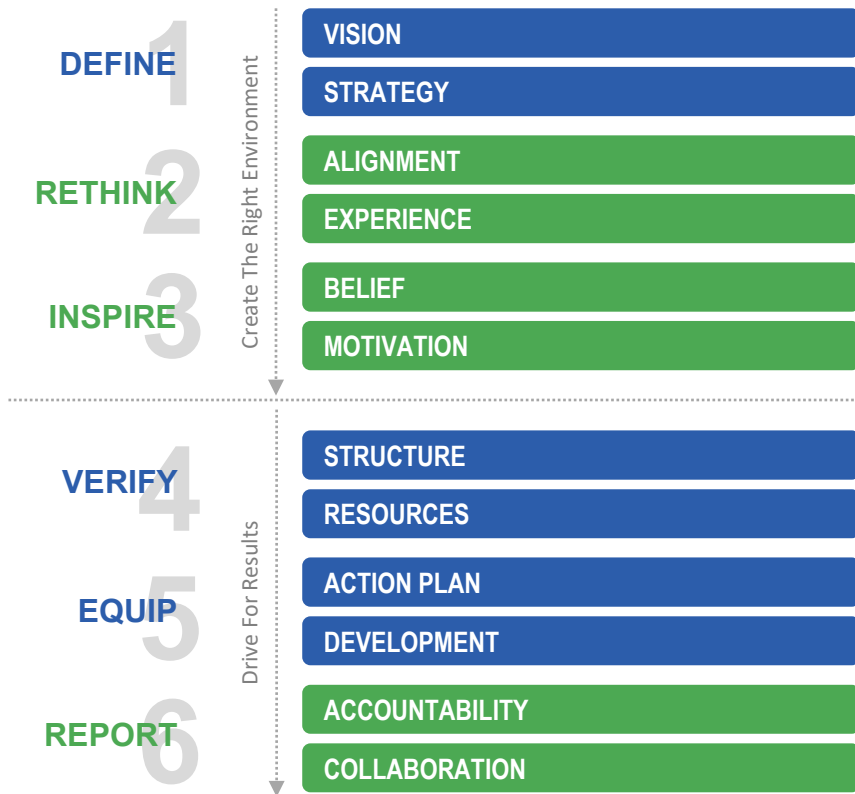
Employee Experience



- Goal setting process launched to link all individual goals with organizational goals
- Eight permanent/casual roles successfully filled
 - Two new directors appointed for Services and Finance
- Development of hybrid working model is in progress
- 5/9 non-technical teams completed Agile lift-off sessions
- Workspace architectural and structural review completed – alternatives being investigated

DRIVERS Framework

■ = Rational
■ = Emotional



The 12 baseline leadership activities that position you & your organisation to move from strategy creation to realisation as quickly as possible.

In other words leadership execution & engagement.

SECTION B / Leadership Effectiveness

Driver Results / APNIC / All Responses n=86

■ = 2021 Rational Driver Scores
■ = 2021 Emotional Driver Scores
■ = 2020 & 2019 Comparative Drivers Scores



2020 Average

Vision	3.90	▼
Strategy	4.08	▼
Alignment	3.96	▲
Experience	3.70	▼
Belief	4.00	▼
Motivation	4.01	▼
Structure	3.59	▼
Resources	3.83	▲
Action Plan	3.74	▼
Development	3.87	▼
Accountability	3.30	▲
Collaboration	4.17	▲

Success Measures – Overall Progress

Targets	Results	%
Membership	16/17 on track	94%
Registry	15/15 on track	100%
Development	48/49 on track	98%
Information	9/10 on track	90%
Capability	22/23 on track	96%

THANKS!



APNIC Secretariat Report

1 January – 31 May 2021

CONFIDENTIAL DRAFT 1.0

Contents

Executive Summary	6
Introduction	6
Highlights	6
Membership	6
Registry	6
Development	6
Information	7
Capability	7
Budget Performance	8
1 Membership	9
1A Member Services	9
Operations	9
1A.1 Member service delivery	9
1A.2 Member experience	11
1A.3 Membership development	12
1B Membership Products	15
Operations	15
1B.1 Membership product management	15
Investments	16
1B.2 Online community platform	16
1C Membership Reporting	16
Operations	16
1C.1 Planning and reporting	16
2 Registry	17
2A Registration Services	17
Operations	17
2A.1 IPv4, IPv6 and ASN delegation and registration services	17
2A.2 Maintain correct and current registry data	22
2A.3 Reclaiming unused IPv4 address space	22
2B Registry Products	23
Operations	23
2B.1 Internet number registry management	23
2B.2 Registry product management	23
2C Policy development	24
Operations	24
2C.1 Policy development	24
2C.2 Policy implementation	24
2C.3 Policy analysis	24
3 Development	26
Operations	26
3A APNIC Conferences	26

3A.1	APNIC conferences	26
Investments		27
3A.2	Fellowships	27
3B	Foundation support	27
Investments		27
3B.1	Operational and administrative support	27
3C	Community Engagement	28
Operations		28
3C.1	Technical community support	28
3C.2	Security community support	29
3C.3	Internet organization cooperation	29
3C.4	Internet governance participation	30
3C.5	Government engagement	31
3C.6	External relations coordination	32
3D	Community Participation	37
Operations		37
3D.1	Community-led processes	37
3D.2	Online participation	37
3D.3	Encouraging newcomers and diversity	39
3E	APNIC Academy	40
Operations		40
3E.1	Product management	40
3E.2	Instructor-led Training	40
3E.3	Self-paced training	41
3E.4	Technical Assistance	41
3E.5	RPKI awareness and deployment support	42
3E.6	IPv6 awareness and deployment support	43
Investments		43
3E.7	Platform and curriculum development	43
3E.8	Community Trainers network	43
3E.9	Curriculum for non-technical audiences	43
3F	Internet Infrastructure Support	44
Operations		44
3F.1	Internet infrastructure deployment	44
3F.2	Community Honeynet and Security Threat Sharing Platform	44
Investments		44
3F.3	M-root anycast instance deployment support	44
4	Information	46
Operations		46
4A	Information Products	46
4A.1	APNIC Blog	46
4A.2	Information product management	47
4B	Research and Analysis	49
Operations		49
4B.1	Conducting research and measurements	49
4B.2	Cooperative research opportunities	49
4B.3	Sharing research outcomes	49
5	Capability	51

Operations	51
5A Internal Technical Infrastructure	51
5A.1 Architecture and technical coordination	51
5A.2 Network and infrastructure operations	51
5A.3 System and platform operations	51
5A.4 Internal security operations	52
5A.5 Enterprise application management	52
Investments	53
5A.6 Product platform development	53
5B Finance and Business Services	53
Operations	53
5B.1 Internal knowledge management	53
5B.2 Financial services	53
5B.3 Business services	54
5B.4 Data governance and business intelligence	54
5C Employee Experience	54
Operations	54
5C.1 Organizational development	54
5C.2 Work environment management	55
5C.3 Talent attraction and retention	55
5C.4 People operations management	55
Investments	56
5C.5 Agile APNIC	56
5C.6 People management portal	56
5C.7 APNIC workspace remodelling	56
5D Governance	56
Operations	56
5D.1 Executive Council (EC) support	56
5D.2 Corporate governance and legal	56
Events/Activities in 2021	58

Figures

Figure 1: Service SLA and satisfaction	9
Figure 2: Touchpoints per economy	10
Figure 3: Feedback Received/Actionable	11
Figure 4: User Feedback Group Growth	12
Figure 5: Membership transactions	13
Figure 6: Total membership (subregion)	13
Figure 7: Total membership (APNIC + NIR)	14
Figure 8: APNIC membership by industry type	14
Figure 9: IPv4 pool status	17
Figure 10: Internet number resource delegations	18
Figure 11: IPv4 delegations	18
Figure 12: IPv6 delegations	19
Figure 13: ASN delegations	19
Figure 14: Member resource type holdings	20
Figure 15: M&A and historical transfers	20
Figure 16: Market transfers	21
Figure 17: Inter-RIR IPv4 transfers	21
Figure 18: Engagements summary by type	32
Figure 19: Engagement summary by month	33
Figure 20: Engagement summary by subregion/type	33
Figure 21: Engagement detail by economy	34
Figure 22: Touchpoints summary	36
Figure 23: apnic.net website visits	38
Figure 24: RPKI usage	42
Figure 25: APNIC Blog views	46
Figure 26: APNIC Blog posts	47
Figure 27: Monthly number of users	48

Tables

Table 1: Budget performance summary	8
Table 2: Fraud cases	10
Table 3: Resource pool status	17
Table 4: Status of reclaimed address space	22
Table 5: APRICOT 2021 statistics	26
Table 6: NOG participation	28
Table 7: Top 10 economies - apnic.net website sessions and visitors	38
Table 8: Social Media reach	39
Table 9: Instructor-led training	40
Table 10: APNIC Academy training	41
Table 11: APNIC Blog activity	46
Table 12: Events attended	61

Executive Summary

Introduction

This report is provided to the APNIC Executive Council (EC) for the quarterly meeting on 21-22 June 2021. It provides a summary of activities from 1 January - 31 May 2021.

The structure of this report reflects the APNIC Strategic Plan 2020-2023 and the 2021 Operational Plan, with activities reported according to Strategic Pillar and Workstream, and against their Success Measures.

Feedback on this report is very welcome.

Highlights

The following is a summary of significant highlights for the year to date, also grouped according to Strategic Pillar.

Membership

- All responses to Member queries were met within the 48-hour SLA. Service satisfaction remained high with 93% 'Excellent' and 'Above Average' (1A.1).
- 105 feedback items were resolved (on conferences, training, staff presentations, website information). The User Feedback Group grew to 420 (target 500) (1A.2).
- 317 new Members have joined APNIC (four from Service Partners and two from Member referrals). Current total membership stands at 8,525 (1A.3).
- The online Help Centre was deployed in February (1B.1).
- Tribe has been selected for further testing for the Online Community Platform (1B.2).

Registry

- APNIC received 4,096 ASNs from IANA (2A.1).
- The percentage of Members holding IPv6 reached 67% in May (2A.1).
- Confirmation rate for IRT email validations is 70% (2A.2).
- Over 18% of unused addresses have been returned to the APNIC pool under the reclamation project (2A.3).
- [prop-133](#) was endorsed by the EC following APNIC 51 (2C.1).
- A community Working Group was formed to review the Policy Document Review Report and develop proposals for discussion at APNIC 52 (2C.3).

Development

- APRICOT 2021 attracted 552 attendees, with 1,861 additional live views via YouTube (reaching 3,855 during the week) (3A.1).
- Testing of automatic conference transcription using 'Otter' is underway for APNIC 52 (3A.1).
- A new online fellowship program was launched, and 46 fellows (25 females) selected (3A.2).
- Nine technical community events were supported, and staff participated in five NOGs (3C.1).
- Three session proposals were submitted to the IGF, and two workshop proposals to the APriGF (3C.4).
- The APNIC EC initiated a regular quarterly meeting with community leaders (3D.1).
- APNIC Academy launched one new course, five new labs, and additional language support in online courses (3E.1).

- 54 training courses were delivered to 1,084 attendees, and nine webinars to 532 attendees (3E.2).
- A new ROA measurement tool was released to help monitor RPKI deployment (3E.5).
- IPv6 capability in the Asia Pacific reached 34.76% (3E.6).
- Deployment of M-root servers is progressing in five locations (3F.3).

Information

- The Blog averaged 67,498 views per month, 4% above 2020's monthly average of 64,778 (4A.1).
- Resource Explorer (Rex) is being tested as a new name for the Internet Directory (4A.2).
- Fifteen APNIC Labs research articles were published, and 16 research presentations delivered (4B.3).

Capability

- RPKI service infrastructure is being improved to support data centre failover (5A.3).
- Upgrades of testing, development and management infrastructures were completed (5A.3).
- A major SSO system upgrade is in progress, to be completed in December (5A.6).
- The annual financial audit was completed and presented to the EC at APNIC 51 (5B.2).

Budget Performance

The following table summarizes budget performance to date, for FTE (staff time) allocation, and operational and capital expenditure, across all workstreams.

Workstream	FTE			Expense			Capital		
	Budget	Actual	Variance	Budget	Actual	Variance	Budget	Actual	Variance
Member Services	8.58	9.97	-16%	916,107	753,020	-18%		7,935	0%
Membership Products	12.28	7.88	-36%	990,093	920,751	-7%			
Membership Reporting	1.56	0.96	-38%	291,298	253,695	-13%			
Registration Services	4.53	5.16	14%	333,773	307,635	-8%			
Registry Products	9.04	5.36	-41%	1,045,536	861,914	-18%			
Policy Development	0.64	0.75	17%	159,966	160,874	1%			
APNIC Conferences	5.04	4.45	-12%	440,524	374,369	-15%		2,149	0%
Foundation Support	1.58	1.40	-11%	238,516	23,728	-90%	-	-	
Community Engagement	6.38	4.69	-26%	738,333	553,938	-25%	-	-	
Community Participation	1.52	0.96	-37%	123,672	95,229	-23%	-	-	
APNIC Academy	10.8	9.82	-9%	968,074	773,658	-20%	15,000	12,837	-14%
Internet Infrastructure Support	0.76	1.05	38%	241,878	148,834	-38%			
Information Products	5.52	7.28	32%	391,894	402,940	3%			
Research and Analysis	1.02	1.05	3%	324,704	268,230	-17%	24,000	24,890	4%
Internal Technical Infrastructure	6.2	14.60	135%	766,251	454,632	-41%	107,500	68,134	-37%
Finance and Business Services	10.14	7.34	-28%	868,821	758,208	-13%	10,000	-	-100%
Employee Experience	4.65	4.91	6%	766,611	710,151	-7%	-	6,818	0%
Governance	2.76	0.88	-68%	457,859	441,399	-4%			
	93	88.5	-5%	10,063,909	8,263,206	-18%	156,500	122,763	-22%

Notes: ■ ≤ 25% variance ■ > 25% ≤ 50% variance ■ > 50% variance

Table 1: Budget performance summary

1 Membership



1A Member Services

Operations

1A.1 Member service delivery

Service requests SLA

- The SLA to respond to Member queries within 48 hours has been 100% met.

Service satisfaction ratings

- Service satisfaction remained high with 93% of scores (1,141/1,231 tickets) being 'Excellent' and 'Above Average'.
- Follow up of all 'Poor' ratings revealed: three support requests by Members with additional questions, two requests out of scope for the Helpdesk, one because the Member account was overdue for renewal, and the rest submitted in error when completing the feedback form.

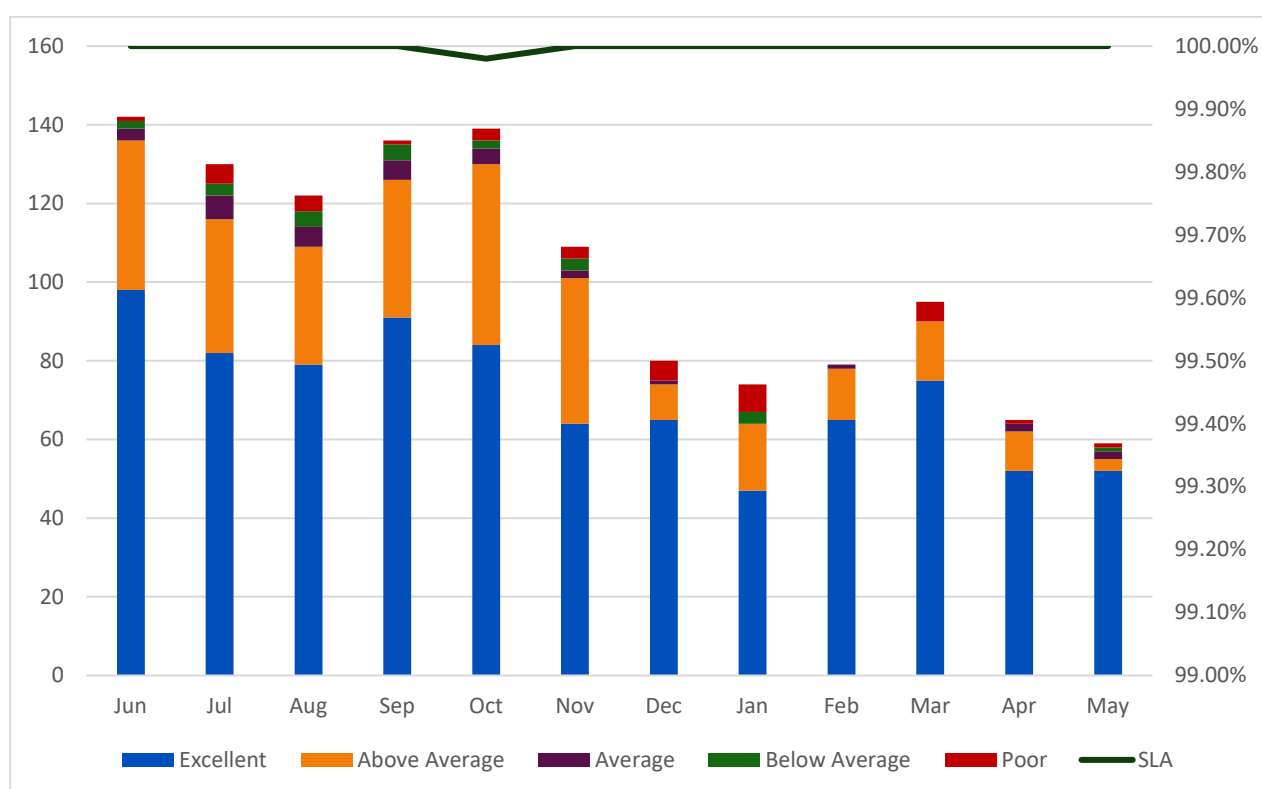


Figure 1: Service SLA and satisfaction

Member Outreach

- There were 46 Member Services engagements across 20 economies, covering RPKI, resource transfers, technical assistance, and awareness of upcoming events.

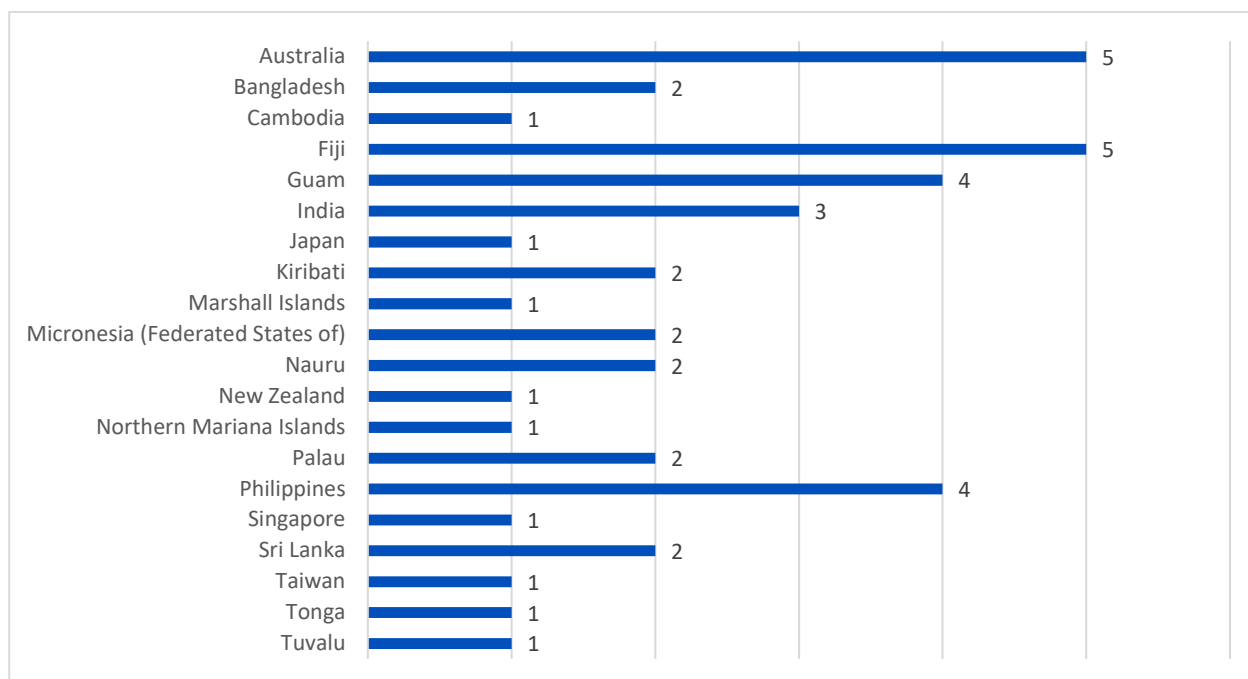


Figure 2: Touchpoints per economy

Fraud Handling

- Fraud cases remain steady, most involving attempts to open APNIC accounts with fabricated documents.
- Two membership applications were received from individuals claiming to be students needing resources for research but identified as existing Members seeking more IPv4 addresses.

Type	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Identity theft	-	-	-	-	-	-	-	-	-	-	-	-
Fabricated documents	-	1	3	-	2	3	2	-	1	2	2	-
Fabricated needs	-	-	-	-	-	1	-	-	-	-	-	2
Total fraud cases	0	1	3	0	2	4	2	0	1	2	2	2

Table 2: Fraud cases

	Success Measures – 1A.1.	Results	Status
1	Maintain Helpdesk SLA of two business day response to enquiries (>99.90%).	100%	●
2	Maintain service satisfaction ratings of at least 93% “excellent and above average” feedback.	93%	●
3	All “poor and below average” feedback is followed-up and actioned.	100% resolved	●
4	Proactive Member service engagement in a minimum of 47 economies.	20 out of 47	●

1A.2 Member experience

Feedback:

- Members and the community provided 599 feedback items, 105 requiring action (investigating, monitoring or fixing the issue). All have been followed up.
- Feedback topics included APNIC conferences (participation and content); training; staff presentations; and website information.

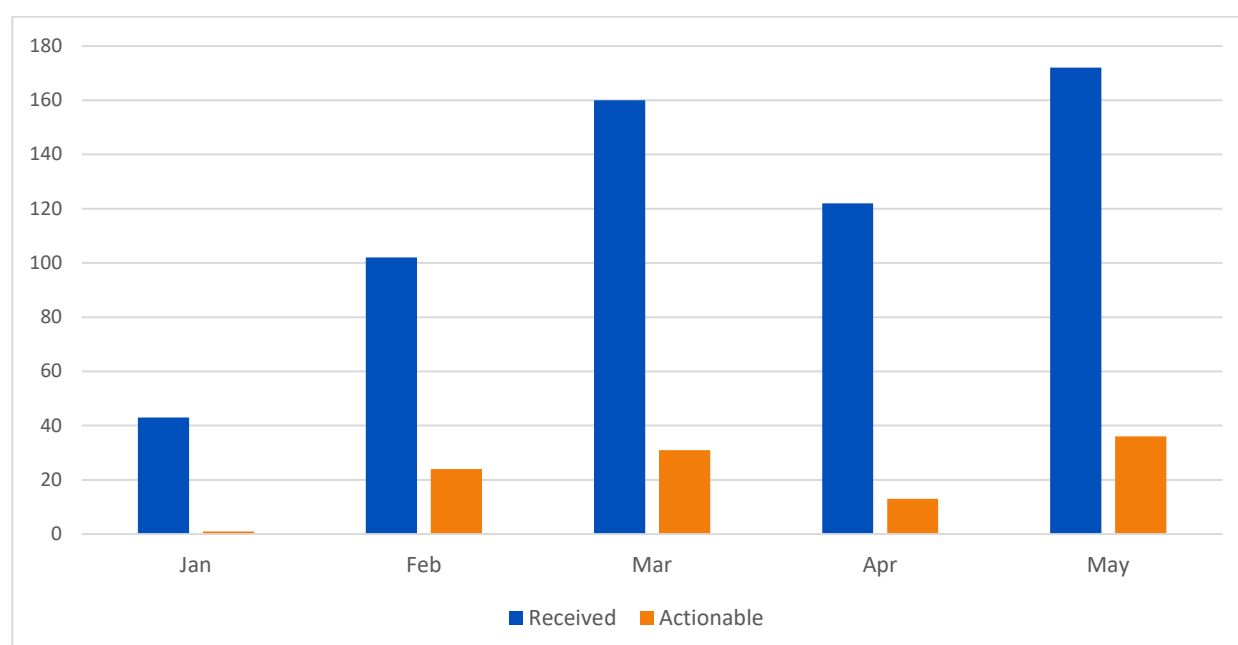


Figure 3: Feedback Received/Actionable

User Feedback Group

- Community members are encouraged to join the voluntary [User Feedback Group](#) to provide views on product developments. This group grew to 420 people (ahead of the growth target).

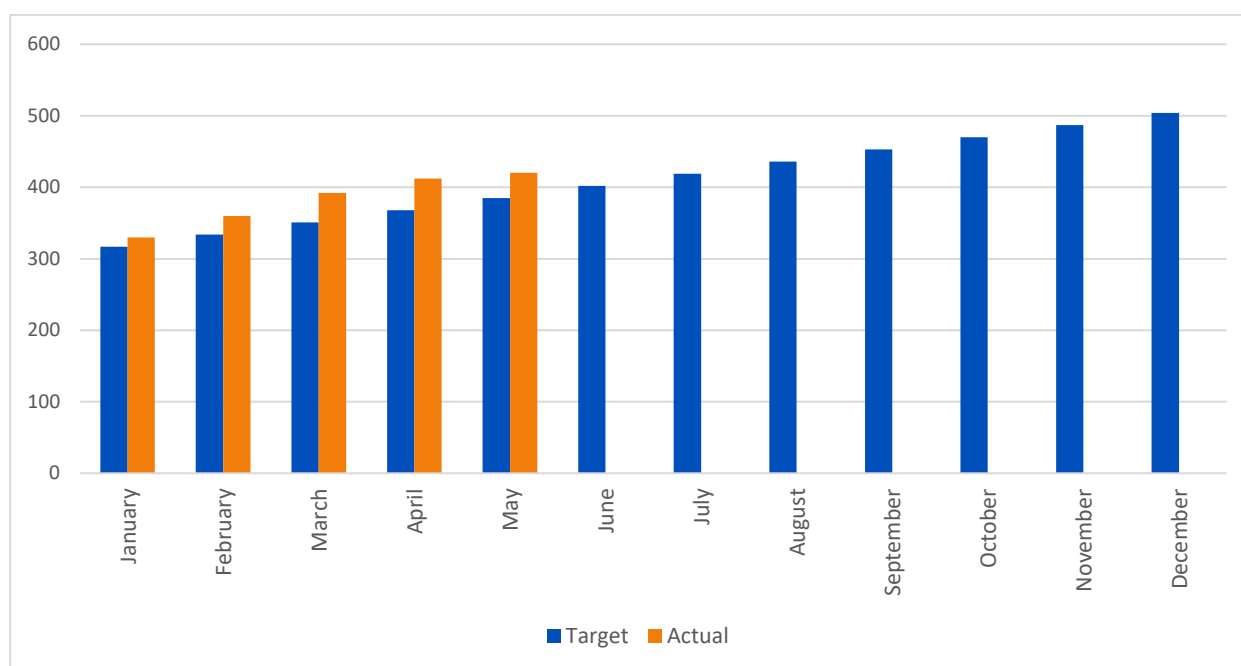


Figure 4: User Feedback Group Growth

Online Accessibility

- Thirteen critical issues were identified, with six resolved and the remainder to be resolved by 30 June.

	Success Measures – 1A.2.		Status
1	All improvement suggestions received from all feedback channels are followed up and actioned.	100%	●
2	All critical and high accessibility issues are resolved.	13 issues: 6 fixed, 7 in progress	●
3	Grow product and service user feedback group from 300 to 500 members.	420	●
4	One-on-one feedback sessions with at least 50 Members.	Due in second half of 2021	●

1A.3 Membership development

- New Member outreach was conducted at the PCTA e-Tech Show and PITA Business Forum & Expo 2021.
- Meetings held with two new potential Services Partners: Lao National Internet Center (LA) and Information Beam Company Limited (MM)
- A total of 317 new Members joined APNIC, four from Service Partners and two from Member referrals.

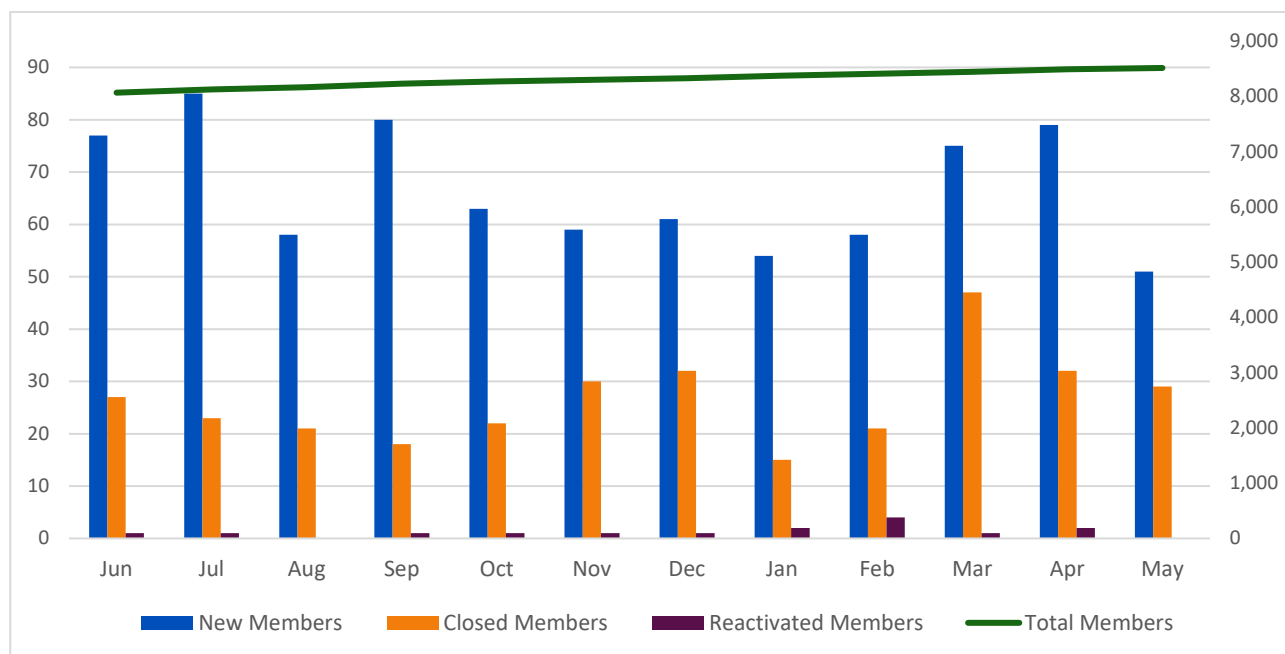


Figure 5: Membership transactions

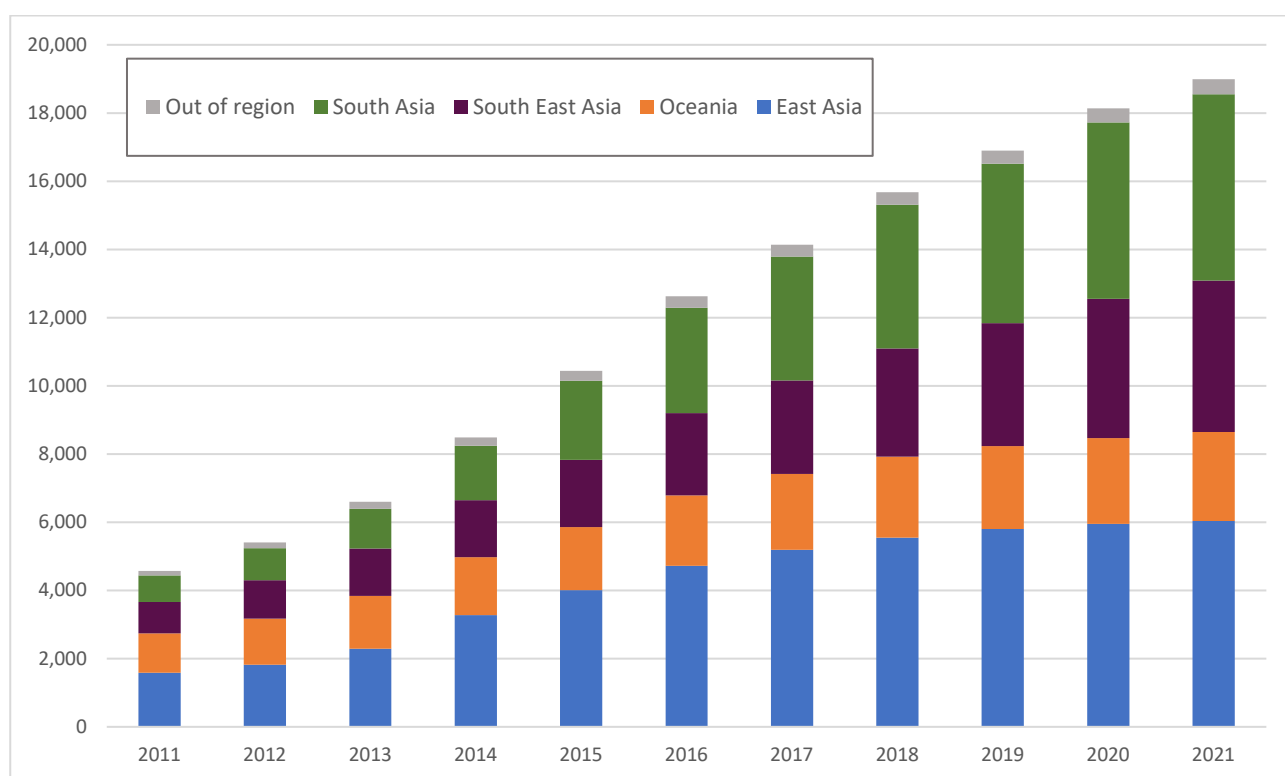


Figure 6: Total membership (subregion)

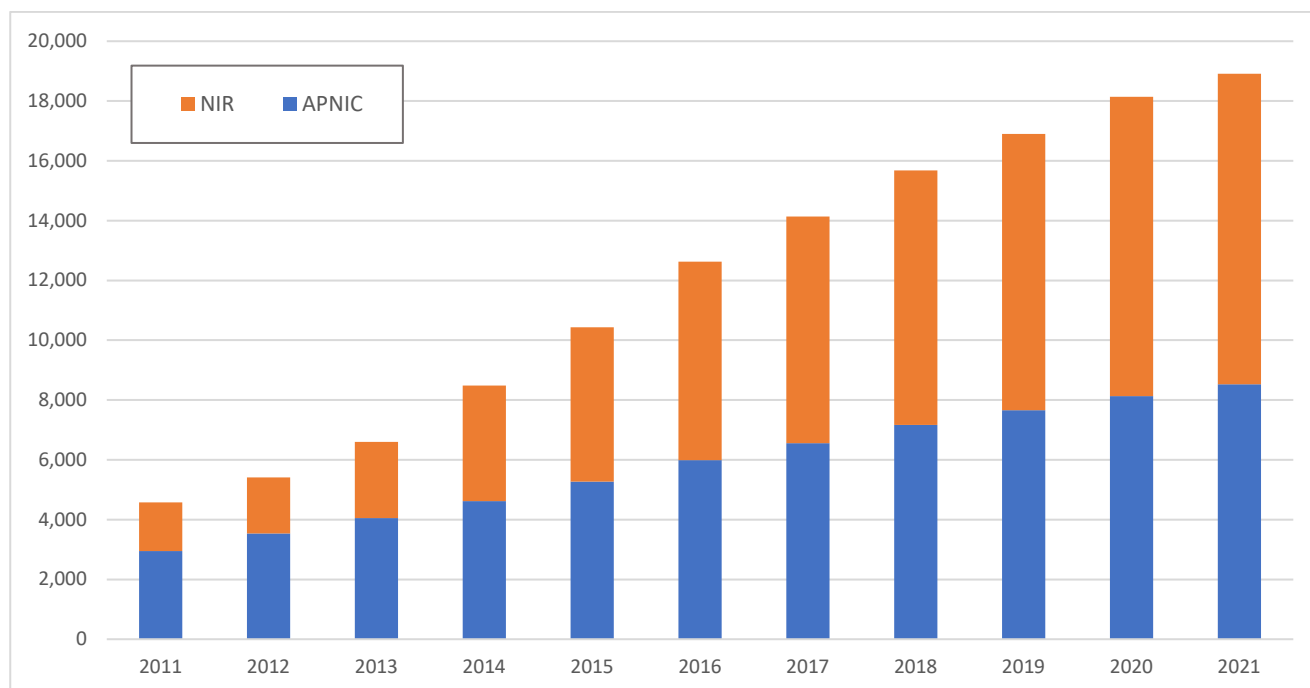


Figure 7: Total membership (APNIC + NIR)

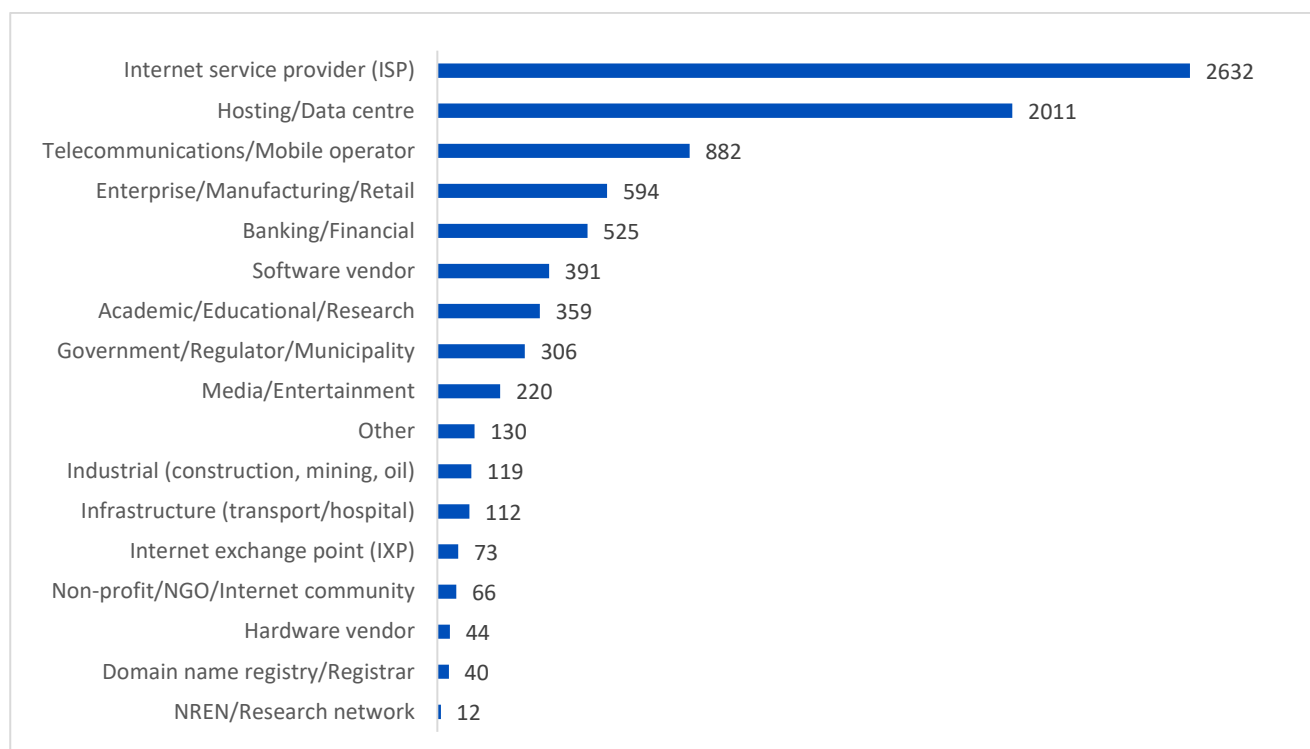


Figure 8: APNIC membership by industry type

	Success Measures – 1A.3.	Results	Status
1	At least eight membership development activities, in economies with low membership relative to their Internet growth potential.	4 out of 8	●
2	Total number of Members to match or exceed the 2021 budget assumption of 8,940.	8,525	●

1B Membership Products

Operations

1B.1 Membership product management

Help Centre

- The Help Centre – containing FAQ articles and ‘how to’ information to help Members quickly find answers to service queries – was deployed in February.
- Feedback is being gathered to improve usability during the year.

MyAPNIC

- EC election dashboard in MyAPNIC was improved, reducing support load for the APNIC 51 elections.
- The MyAPNIC architecture conversion from WordPress to Java is 80% complete.
- Improvements have begun to the billing section, including advanced invoice management, downloadable receipts and better billing due date visibility.
- The migration of membership management functions in MyAPNIC from Perl to Java began. APIs will be adopted to take advantage of improvements in modern testing, deployment, and front-end technologies.
- Evaluating chat support via Salesforce Service Cloud in the MyAPNIC test environment.
- Baseline metrics for common MyAPNIC tasks are being developed to improve task completion and reduce error rates.

Membership application form

- Implemented Member application referrals in the new application form and deprecated the old form.

Other process and system improvements

- Migration of APNIC Logins is delayed until the existing SSO system is replaced in December (see 5A.6).
- New testing infrastructure adopted and rolled out to membership application form and election system.
- Updated Member API to retrieve Member accounts associated with a SSO UID. Duplicate user accounts have been removed from the SSO.
- Billing surcharges were removed for Members paying annual fees by instalment.

	Success Measures – 1B.1.	Results	Status
1	Member Help Centre deployed.	Completed	●

2	Migrate 100% of APNIC Logins to a new identity management system.	Delayed to Q4	●
3	Establish comprehensive testing infrastructure for membership product applications.	Testing infrastructure adopted	●
4	Deliver problem-free EC, NRO and SIG Elections via BigPulse.	APNIC 51 elections completed	●

Investments

1B.2 Online community platform

“Validate community requirements and prototype an online platform for community members to share knowledge and experience and participate in discussions online.

Status:

- The “Tribe” platform has been selected for testing following the product evaluation process.

1C Membership Reporting

Operations

1C.1 Planning and reporting

- The 2021 Activity Plan and Budget and the 2020 Annual Report were presented at the APNIC AGM on 4 March.
- All Event Wraps and EC Minutes have been published in line with the KPI.

	Success Measures – 1C.1.	Results	Status
1	Publishing of required reports on the day of the APNIC Member Meetings.	Done (APNIC 51)	●
2	Publishing of EC Minutes within two months of each EC meeting.	100% achieved	●
3	Event Wraps published for 100% of reportable events within one month of event.	21/21 achieved	●

2 Registry



2A Registration Services

Operations

2A.1 IPv4, IPv6 and ASN delegation and registration services

Resource pools

- The following table shows the current status of all APNIC number resource pools.

	Total at 1 Jan 2021	From IANA	Transfers in	Transfers out	Total at 31 May 2021	Total delegated	Total reserved	Total available
IPv4 /24s	3,482,617	0	1,442	519	3,483,540	3,460,964	8,802	13,774
IPv6 /32s	1,067,008	0	0	0	1,067,008	92,140	125,925	848,943
ASNs	21,143	4,096	2		25,241	23,130	0	2,111

Table 3: Resource pool status

IPv4 pool status

- The following chart shows the amount of reserved and available space in APNIC's IPv4 pool.

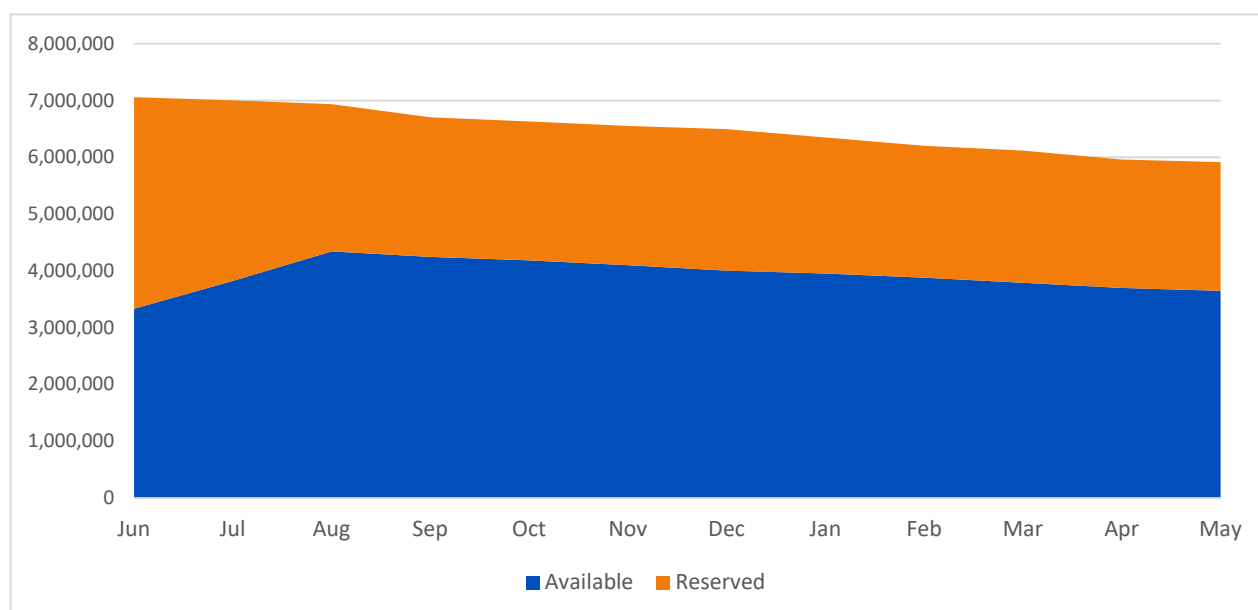


Figure 9: IPv4 pool status

IPv4, IPv6 and ASN delegations

- The following graphs show the number of delegations for each resource type, by sub-region.
- The peak in ASN delegations in April and May were due to bulk allocations to a Chinese confederation Member, CERNET, for their 'Future Internet Technology Infrastructure' (FITI). APNIC received an additional 4,096 ASNs from IANA to make this large delegation.

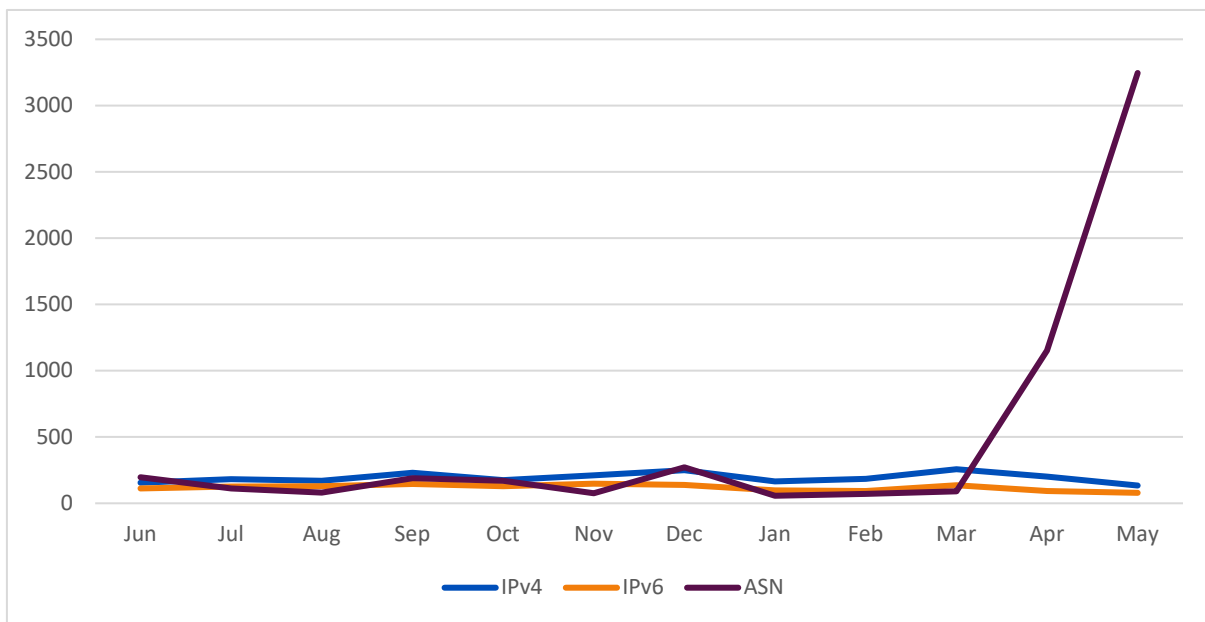


Figure 10: Internet number resource delegations

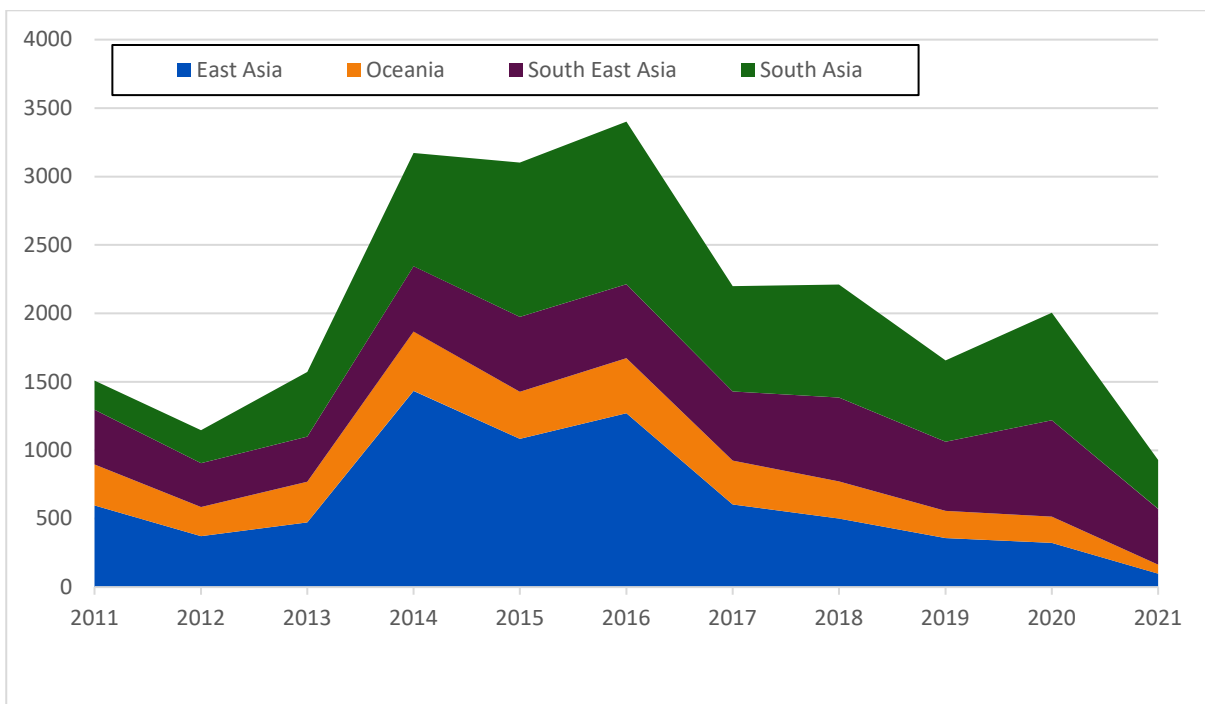


Figure 11: IPv4 delegations

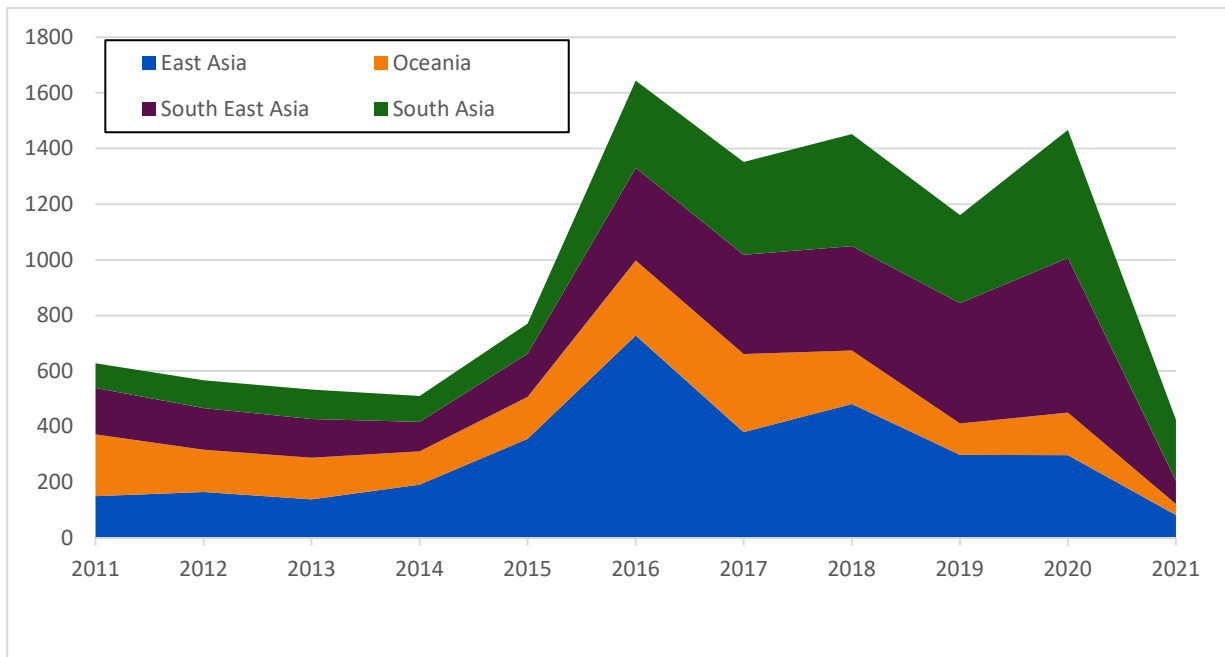


Figure 12: IPv6 delegations

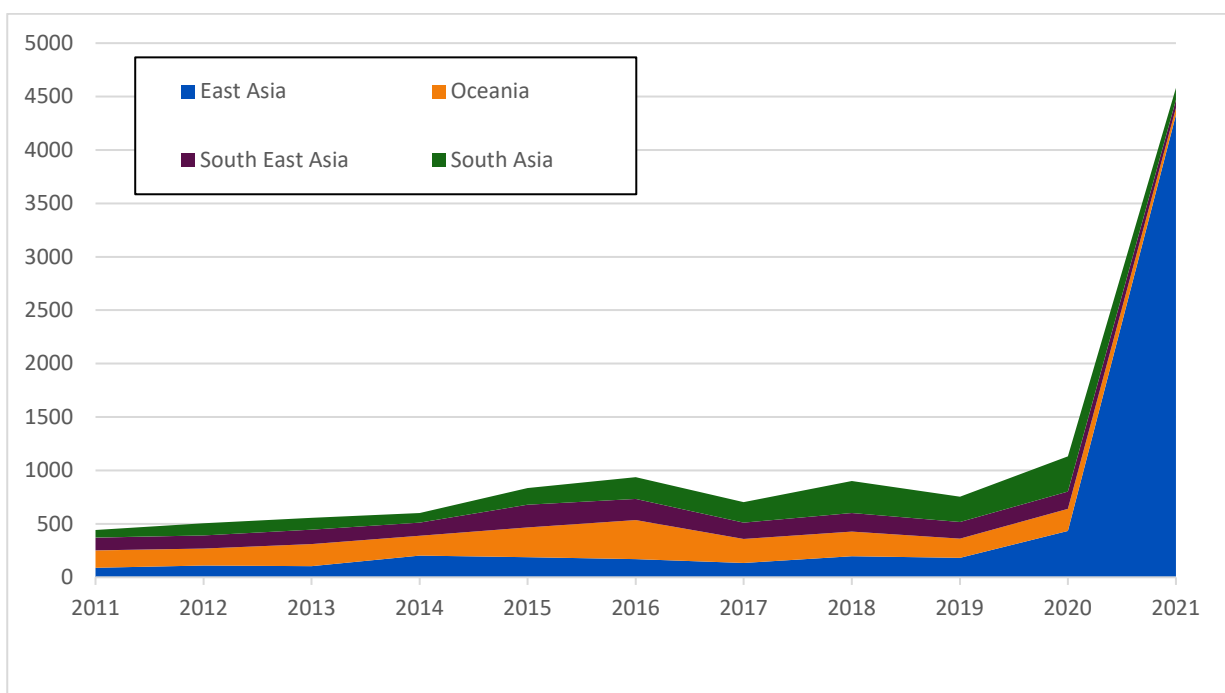


Figure 13: ASN delegations

Member resource holdings

- The proportion of APNIC Members holding specific resource types is as follows. The percentage of Members holding IPv6 reached 67% in May 2021 (target is 70%).

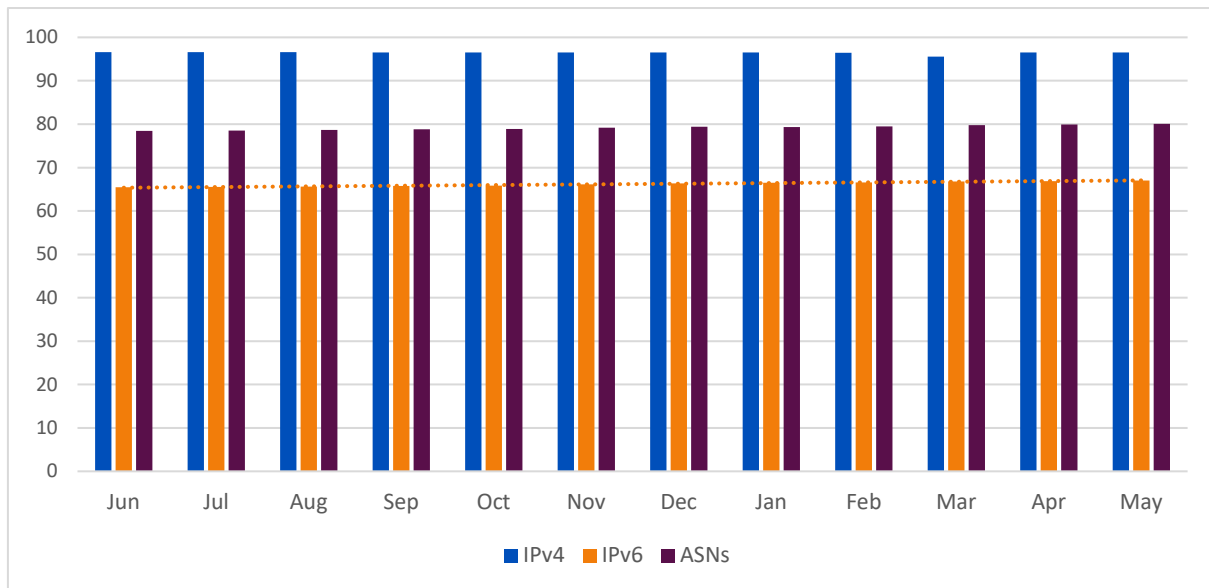


Figure 14: Member resource type holdings

IPv4 transfers: Mergers/acquisitions and historical

- M&A transfer activity increased in March 2021, mostly due to transfers in NIRs.
- A large transfer within KRNIC accounts for the December 2020 peak.

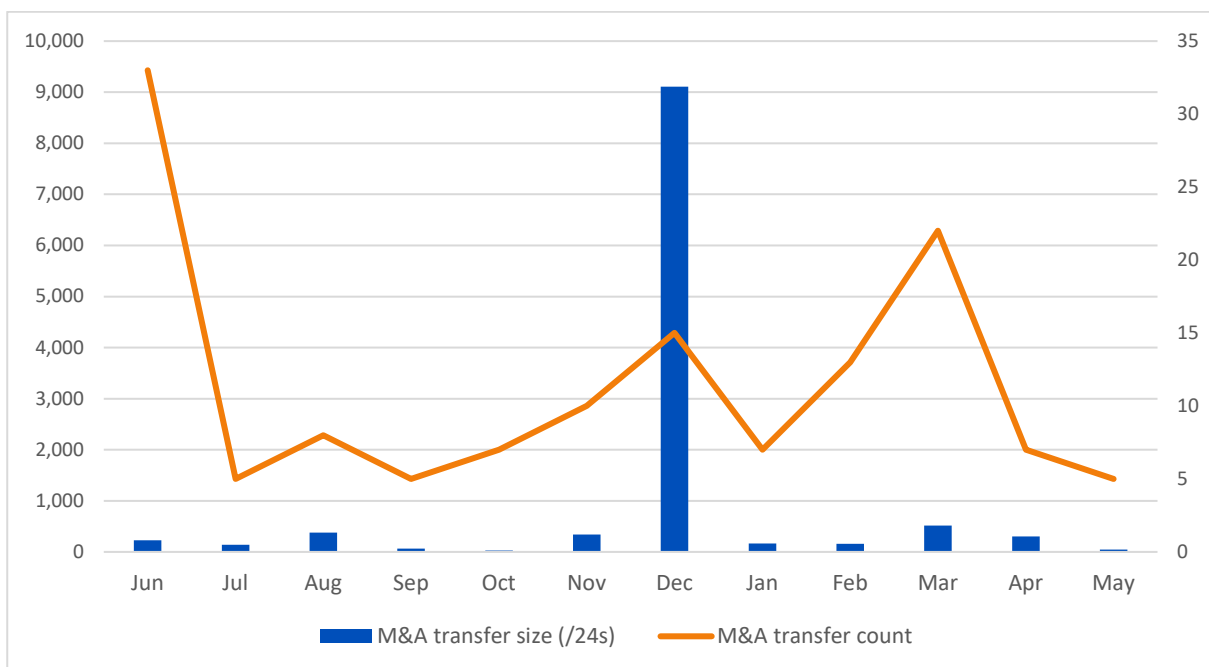


Figure 15: M&A and historical transfers

IPv4 market transfers

- There were several IPv4 transfers by IRINN in October 2020 and January 2021, which drove higher counts in the chart below.
- As reported in 2020, a /9 was transferred in August, and a /10 in October 2020, both from APIDT.

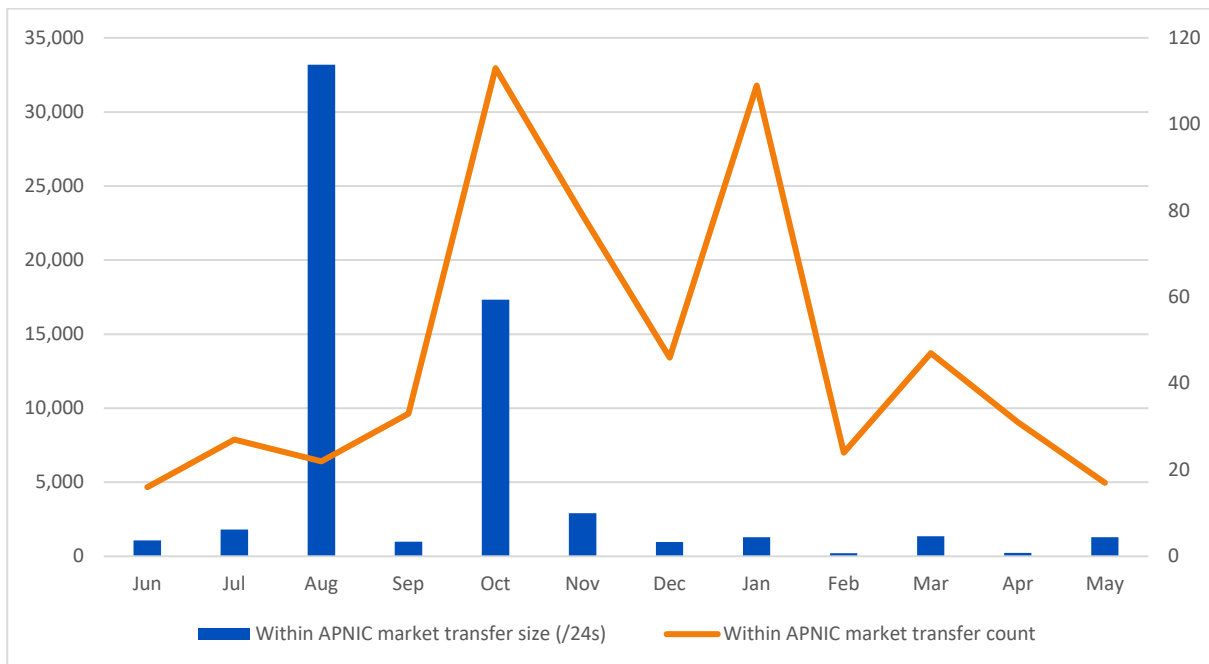


Figure 16: Market transfers

Market transfers: Inter-RIR

- No large inter-RIR market transfers occurred in the last 12 months.
- Inter-RIR transfer activity has slightly increased in 2021.

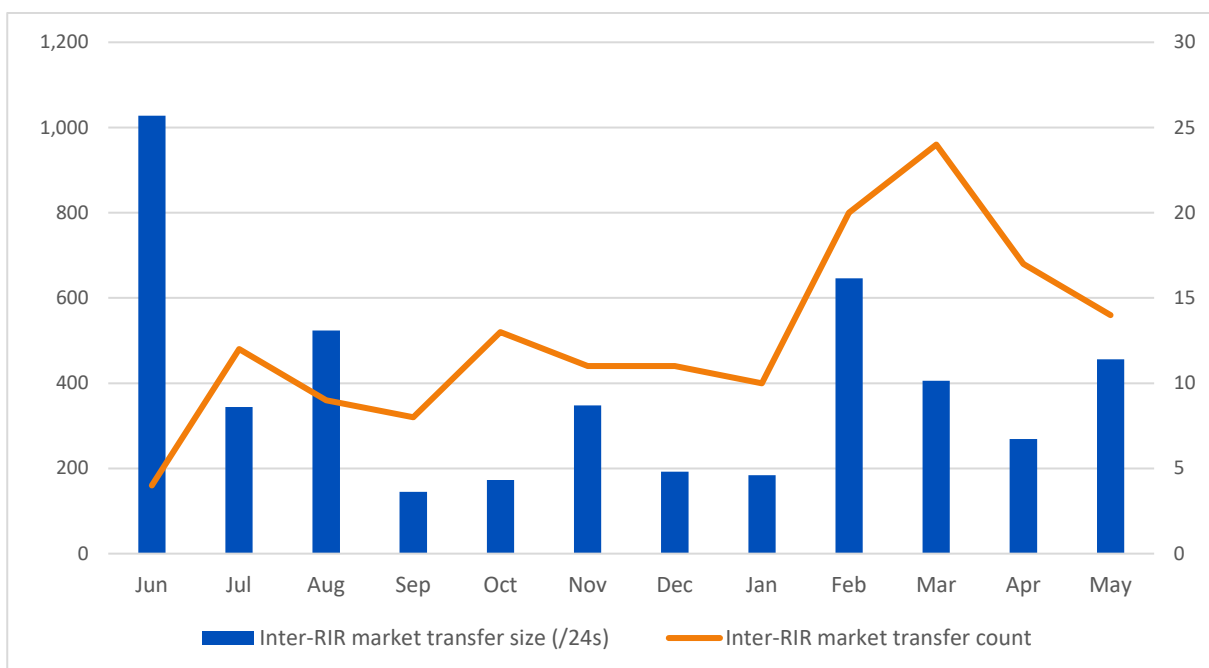


Figure 17: Inter-RIR IPv4 transfers

	Success Measures – 2A.1.	Results	Status
1	Maintain Registration Services SLA of two business day response to enquiries (>99.90%).	100%	●
2	Increase percentage of Members holding IPv6 address space to 70%.	67%	●

2A.2 Maintain correct and current registry data

- Improvements were made to IRT validation under Prop-125.
 - Email templates used for IRT validation and Member notifications were simplified.
 - IRT management in MyAPNIC was improved to help update IRT details and handle validation email.
 - In the last 6 months 12,183 email validation requests have been issued; 8,532 email validations have been confirmed. The confirmation rate is 70.03%.
- Work commenced on collecting NRO-defined data for ICANN's Identifier Technical Health Indicators (ITHI) initiative.

	Success Measures – 2A.2.	Results	Status
1	Comply with NRO-defined Identifier Technology Health Indicators (ITHI) reporting.	In progress	●
2	Increase rate of validation by Members of registration records.	70.03% validation	●

2A.3 Reclaiming unused IPv4 address space

- Around 2.3 million unadvertised historical IPv4 addresses (293 prefixes) were identified under prop-017. Custodians have been identified and contacted to encourage them to claim, transfer or return the resources.

Status	Total	Percentage
No response	71	24.23%
Prefixes returned	54	18.43%
Not contactable	52	17.75%
Yet to contact	48	16.38%
Prefixes being claimed	38	12.97%
Prefixes claimed	31	10.58%
Total number of unrouted prefixes	293	100%

Table 4: Status of reclaimed address space

	Success Measures – 2A.3.	Results	Status
1	All unrouted historical resource prefixes identified under policy prop-017 are claimed, transferred, or returned to APNIC.	In progress	●

2B Registry Products

Operations

2B.1 Internet number registry management

NIR API

- Implementation began on an NIR API to ease the administrative burden on the NIRs, and to improve the accuracy of APNIC's data sources. This work is now two-thirds complete.

APNIC Registry Management System (ARMS)

- Significant performance improvements (5-10x faster for typical requests) were made to the core registry service to make ARMS more usable.

Next Generation Registry

- Work began on defining the plan for rearchitecting the registry and associated services. This is a multi-year project.

	Success Measures – 2B.1.	Results	Status
1	Implement the NIR API and operate in conjunction with the NIRs.	In progress	●
2	Create initial design documentation for the "Next-generation Registry" by the end of Q4.	In progress	●

2B.2 Registry product management

RPKI

- Repository publication was made entirely atomic to avoid repository inconsistency/invalidity problems.
- MyAPNIC updates were made to improve route management.
- The RPKI CPS was updated and republished to remove out-of-date statements/descriptions.

RDAP

- To improve consistency among the RIRs' RDAP services, the NRO RDAP profile was published in the IANA RDAP registry.

	Success Measures – 2B.2.	Results	Status
--	--------------------------	---------	--------

1	Implement a bulk update method to improve usability of the MyAPNIC Routing Management feature.	Scheduled for H2	●
2	Improved support for “BYO IP” services in MyAPNIC.	Scheduled for H2	●
3	Create a public specification of a general Member registry API.	In progress	●
4	Implement the NIR KPI monitor for RPKI.	Scheduled for H2	●

2C Policy development

Operations

2C.1 Policy development

APNIC 51

- Two policy proposals were considered at the APNIC 51 Open Policy Meeting (OPM). One proposal reached consensus in the OPM and AGM:
 - [prop-133](#): Clarification on Sub-Assignments
- A second proposal was discussed but did not reach consensus and was abandoned:
 - [prop-130](#): Modification of transfer policies
- Following the meeting, the comment period for prop-133 closed with no objections raised and the policy was endorsed by the APNIC EC for adoption.

	Success Measures – 2C.1.	Results	Status
1	Achieve minimum overall satisfaction rating of 6/7 from Policy Chairs in annual review of SIG Chair support.	N/A	●

2C.2 Policy implementation

- Policy text changes resulting from prop-133 were implemented and published as [apnic-127-v009](#).

	Success Measures – 2C.2.	Results	Status
1	Meet 100% of implementation timelines.	100%	●

2C.3 Policy analysis

- Impact assessments of the two policy proposals submitted for APNIC 51 were conducted by APNIC staff, shared with the Policy SIG, and presented during the meeting.

- An update on the Policy Document Review was presented at APNIC 51, including an analysis of potential issues in the current documentation. An additional Policy SIG Community Consultation meeting (attracting 40 attendees) was held online on 19 March.
- A community Working Group was formed to review the Policy Document Review Report and develop proposals for discussion at APNIC 52. Amrita Choudhury and Tomohiro Fujisaki were appointed Chair and Co-Chair respectively of the new Policy Document Review WG.

	Success Measures – 2C.3.	Results	Status
1	Deliver two policy analysis presentations at SIG meetings.	1/2 done	●
2	Publish a policy proposals analysis before each Policy SIG meeting.	1/2 done	●



3 Development

Operations

3A APNIC Conferences

3A.1 APNIC conferences

APRICOT 2021 / APNIC 51

- [APRICOT 2021](#) was held online from 22 February to 4 March 2021.

Conference statistics	
Total number of remote participants (Zoom)	852
Economies represented	61
APNIC Member organizations represented	TBC
Remote viewers – YouTube	3,855 views; 832.04 hours
#apricot2021 tweets	266 from 116 users

Table 5: APRICOT 2021 statistics

- APRICOT 2021 was the second 100% online conference managed by APNIC due to the COVID pandemic.
- Tutorial week from 22 to 26 February attracted 416 attendees, with 552 attending the conference from 1 to 4 March. The YouTube stream of APNIC 51 sessions attracted an additional 1,861 live views, with total YouTube views for the entire conference reaching 3,855 during the conference week (including session views that were not live).
- At the [APNIC EC election](#), Feng Leng (2,612 votes), Yoshinobu Matsuzaki (2,605 votes), and Gaurab Raj Upadhaya (2,567 votes) were elected for two-year terms.
- Other Internet community events held at APRICOT included the DotAsia AGM, APIX meeting, AP* Retreat, and an APNG Seminar.

APNIC 52

- APNIC 52 will be held online from 13 to 16 September 2021.
- The Program Committee was selected, and the Call for Papers launched in May. Registration is scheduled to open in late June.
- Technology options for chat and delegate networking were identified and evaluated, with testing to begin in June. Testing automated transcription of conference sessions (using “Otter”) is also underway.

	Success Measures – 3A.1.	Results	Status
1	Achieve total attendance of 1,000 delegates across two conferences.	852 attendees	●
2	Achieve 6,000 remote conference session views.	4,707 views	●
3	Achieve average conference participant satisfaction survey rating of 90%.	93%	●
4	Achieve average participant satisfaction of 85% for speakers.	96%	●
5	Select and integrate online meeting technologies to provide a seamless online experience for APNIC 51 and 52.	Complete APNIC 51; testing for APNIC 52	●

Investments

3A.2 Fellowships

“Support participation in APNIC conferences and workshops, including ‘returning’ and ‘youth’ fellowships, with a continued focus on diversity”.

Status:

- A new online fellowships program was developed, comprising 12 technical, policy and Internet governance presentations over five months; pairing fellows with industry mentors; APNIC Academy training; and guidance during APNIC 52. Certificates will be issued to fellows who meet training and attendance requirements.
- 48 fellows were shortlisted from 293 applicants, with 46 accepting (24 female and 22 male; 34 professionals and 12 youth). South Asia had 25 fellows, Oceania 12, South East Asia 5, and East Asia 4.
- Four presentations have been delivered to date with 84% overall attendance.

3B Foundation support

Investments

3B.1 Operational and administrative support

“Operational and Administrative Support for the APNIC Foundation, in accordance with the AoC of 2018”.

Status:

- Additional three new positions hired and seconded (total of six staff seconded).
- New Affirmation of Commitment developed that covers both APNIC support and Foundation funding for APNIC activities.

3C Community Engagement

Operations

3C.1 Technical community support

NOGs and other technical community events

- Discussion with the Pakistan community (as a part of RPKI outreach and PKIX – Lahore setup) for PKNOG.
- NOGs and other events supported with sponsorship (s), presentations (p), technical support (t), training (tr) and program committee (c) contributions:

	South Asia	South-East Asia	East Asia	Oceania	Asia Pacific
Q1	SANOG 36 (p)(t)(c)(tr)	MMNOG 4 (p)(c)(t)	JANOG 47 (s) TWNOC (tr)		APAN 51 (p)(t)(tr) APIX (t) APRICOT 2021 (p)(t)(c)(tr)
Q2		ThaiNOG (s)(t)(p)(tr) BKNIX Peering Forum (s)			
Q3					
Q4					

Table 6: NOG participation

	Success Measures – 3C.1.	Results	Status
1	Sponsor/participate in 30 technical community events including NOGs, Peering Forums, and Research & Education events.	9 events	●
2	Support 20 NOGs to conduct online events if physical events are not possible.	5 NOGs	●
3	Facilitate and support two new/revived NOGs in two sub-regions.	1 in progress	●

3C.2 Security community support

CERT/CSIRT Support

- Presented on the APNIC Community Honeynet Project at the FIRST Regional Lightning Talk session.
- Delivered Linux Forensics for System Administrator training in collaboration with the Bhutan Computer Incident Response Team (BtCIRT).
- Conducted a Table Top Exercise for the FIRST Fellowship teams.
- Participated at the FIRST CTI Summit 2021.

Security Community Support

- Delivered a security tutorial on Practical Intrusion Detection System at IBCAST 2021 in Pakistan.
- Delivered a security tutorial on Practical Incident Response at the 3rd International Cyber Resilience Conference in Malaysia.
- Delivered a tutorial on Security Monitoring with Elasticsearch at the Samoa Cyber Week.
- Presented at the APECTEL 62 Security and Prosperity Working Group meeting.
- Presented at security sessions at the 2nd ICANN APAC-TWNIC Engagement Forum.
- Participated in three other security events: CrikeyCon VII (and provided sponsorship), BrisSEC21 Conference, and AusCERT 2021 Conference (and participated on the Program Committee).

	Success Measures – 3C.2.	Results	Status
1	Sponsor or participate in 10 security community events.	7 events	●
2	Support targeted development of four new/existing CERTs/CSIRTs.	1 CERT/CSIRT	●
3	Deliver six presentations/training sessions on the Security Threat Sharing Platform.	3 presentations	●

3C.3 Internet organization cooperation

NRO and RIRs

- Partnered with LACNIC to commission a study on the Internet's technical success factors: developed requirements and selection criteria; published RFP; and selected of Analysys Mason (from 13 respondents) to conduct the study.
- Participated in 12 NRO coordination group meetings including NRO EC, PACG, ECG, PSCG and CCG.
- Supported review and proposed revision of the NRO MoU.
- Supported LACNIC's recruitment of a new External Relations team.
- Participated in ARIN 47, LACNIC 35, RIPE 82 and AIS'21 (AFRINIC).

I* (ICANN, IETF, ISOC, ITAC)

- Participated in five Internet Technical Collaboration Group (ITCG) calls and four ITAC calls to coordinate work related with the OECD.

- Participated at ICANN 70, ICANN DNS Symposium 2021, and IETF 110.

NIRs

- Attended meetings with IRINN and the CEO of NIXL.
- Participated in the ICANN-TWNIC Engagement Forum held with the 35th TWNIC OPM.

	Success Measures – 3C.3.	Results	Status
1	Participate in all NRO and 'I*' coordination meetings.	100%	●
2	Participate in all NIR and RIR Open Policy Meetings.	100%	●

3C.4 Internet governance participation

IGF

- Attended eight IGF Multistakeholder Advisory Group (MAG) meetings and seven MAG Working Group-Strategy meetings, including coordination and planning of BP-Environmental Data with the Secretariat and PNE.
- Contributed to IGF intercessional work such as Policy Network on Environment and Digitalization and Best Practices workstream on Governance of Environmental Data and Cybersecurity Best Practices Forum.
- Developed and submitted three session proposals to the IGF. Topics are Learning Resiliency, Supply Chain IoT and a Townhall to present the results of the Internet Study.
- Provided input to the UN open consultation on proposed Multistakeholder High Level Body under the IGF+ model.
- Attended the Road to IGF webinar on Ethics in Technology & Internet.
- Participated in eight IGF Support Association (IGFSA) Executive Committee Meetings and two follow-up meetings with the IGFSA Secretariat. Assisted IGFSA with communication improvements.

APrIGF

- Participated in six APrIGF Multistakeholder Steering Group (MSG) meetings and five PC meetings. Workshop proposals are currently being drafted for APrIGF 2021.

Sub-regional and economy-level IGFs

- Participated in the Open Consultation for SEA-IGF and two meetings of the SEA-IGF Steering Committee.
- Participated in the first Pacific IGF meeting for event planning.
- Participated in four Steering Committee meetings for NetThing (AU).
- Participated in a HKIGF webinar on Internet censorship.

Other Internet Governance events and communities

- Presented the opening remarks at bdSIG.
- Participated in two Paris Call Working Group 4 (Advancing International Norms) meetings and one Working Group 3 (Promoting a multistakeholder approach in UN cyber negotiations) meeting.

- Published a blog post to promote the Internet Jurisdiction and Policy Network Toolkit.
- Participated in the UN Digital Cooperation High-Level Thematic Debate on Digital Cooperation and Connectivity and the WSIS Forum 2021.

	Success Measures – 3C.4.	Results	Status
1	Sponsor and participate in APriGF and IGF with workshop proposals, MSG/MAG participation, and speaking roles.	3 proposals to IGF 2 proposals to APriGF Sponsoring APriGF	●
2	Participate in at least three national Internet governance initiatives.	1/3	●
3	Sponsor and participate in at least two schools of Internet governance.	1/3	●

3C.5 Government engagement

Intergovernmental forums

- ITU
 - Participated in, or monitored, 11 ITU meetings including IEG-WTPF-21, Global Cybersecurity Agenda open consultation, CWG-Internet open consultations, Regional Preparatory Meeting for Asia Pacific to WTDC-21, Interregional meeting, and ITU-T/ITU-D meetings.
 - Agreed to provide training and technical assistance support to the Mongolian government's Digital Nation (e-Mongolia) initiative.
 - Held four coordination meetings with the ITU Regional Office in Asia and the Pacific.
- APT
 - Met with APT Secretary General and APT Secretariat to coordinate on regional initiatives (three meetings).
 - Agreed to provide training to six APT member states in response to a request for assistance.
 - Monitored discussions at the APT preparatory meeting for WTDC-21.
- OECD
 - Contributed to OECD paper on routing security and monitored discussions at five OECD meetings.
- APEC TEL
 - Participated in APEC TEL 62 and presented at the DSG, SPSG sessions and the Plenary.
- Monitored discussions in UN GGE and the OEWG informal consultation meeting.

Bilateral government engagement

- Provided advice to the Australian government ahead of ITU and APT meetings (one meeting).
- Presented at the Executive Cybersecurity Workshop organized by the Daniel K. Inouye Asia Pacific Center for Security Studies.

Law Enforcement and Public Safety

- Met with AFP representatives from Cyber Safety Pasifika to organize LEA training for 2nd half of 2021.

	Success Measures – 3C.5.	Results	Status
1	Participate in at least 12 engagements with governments/intergovernmental organizations.	14	●
2	Participate in at least three capacity building partnerships with governments/intergovernmental organizations.	Complete	●
3	Participate in six engagements with the Public Safety community.	0	●

3C.6 External relations coordination

- An External Relations (ER) coordination retreat was held in February to evaluate 2020 engagement activities and lessons learned, and to plan for 2021.
- Three ER team coordination meetings have been held in 2021.

Total Counts by Engagement Type

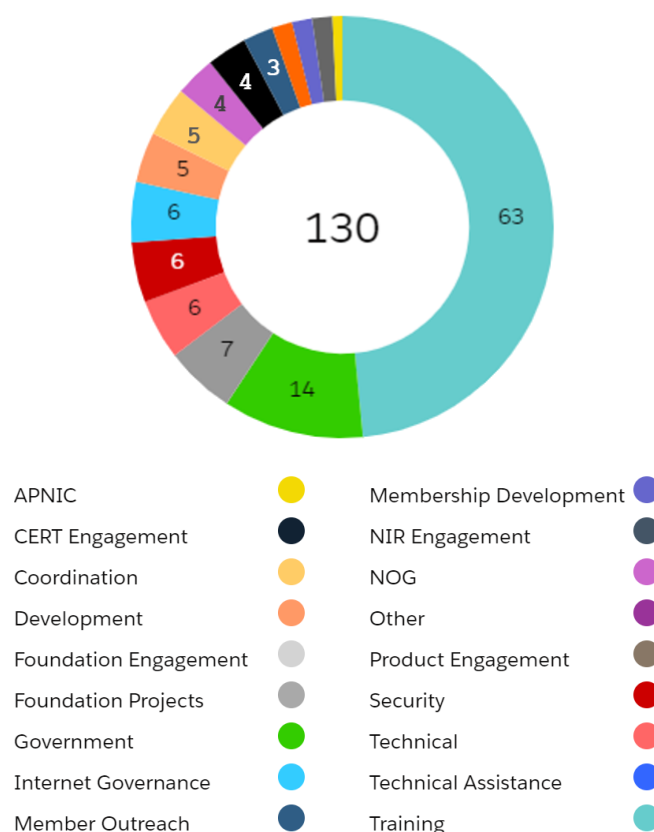


Figure 18: Engagements summary by type

Events vs Engagements by Month

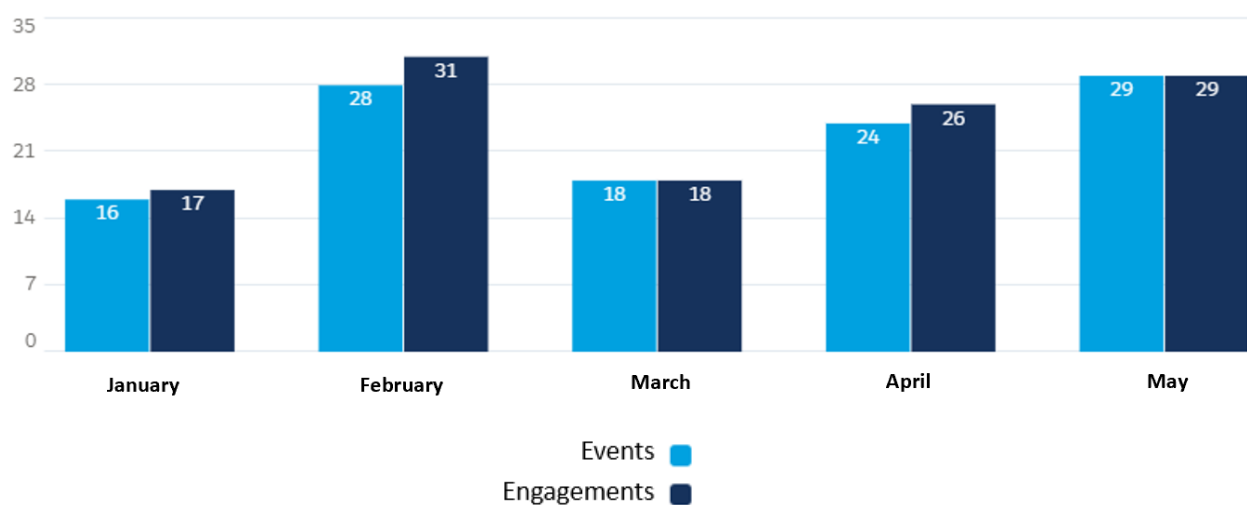
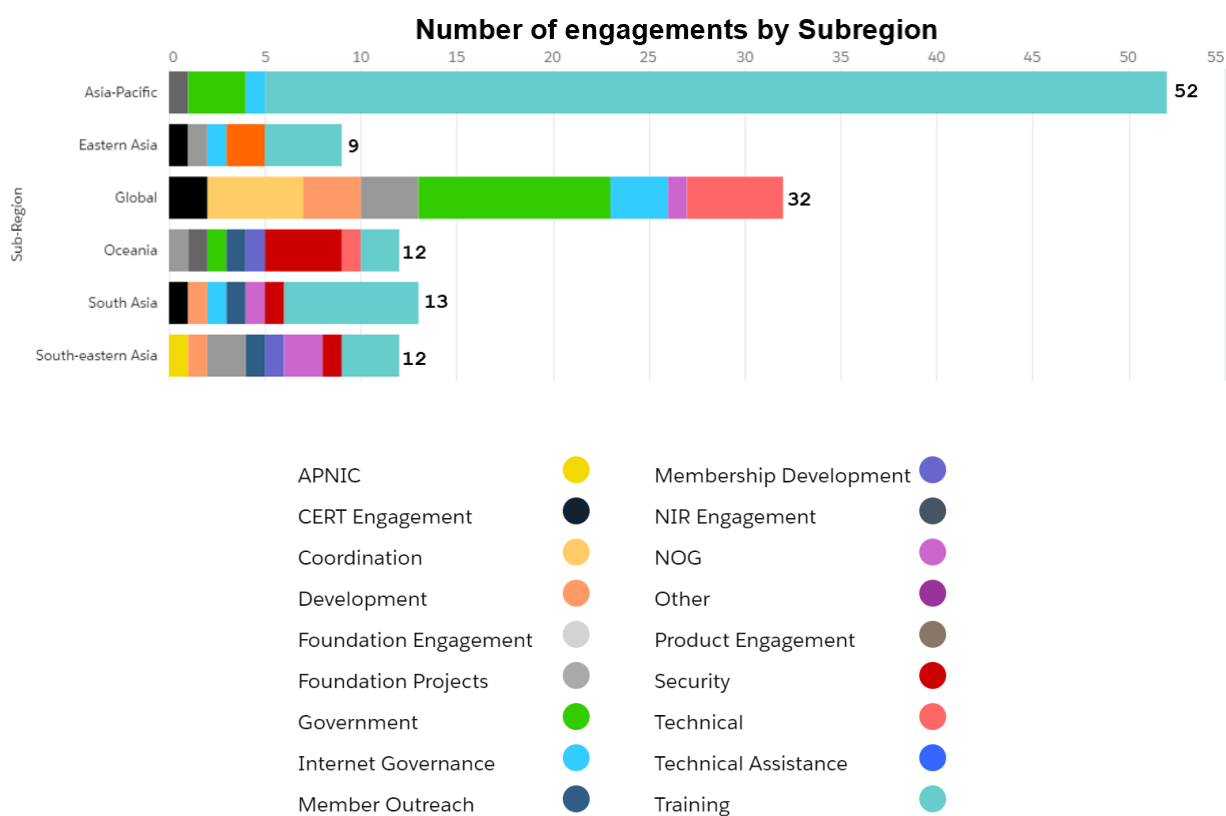
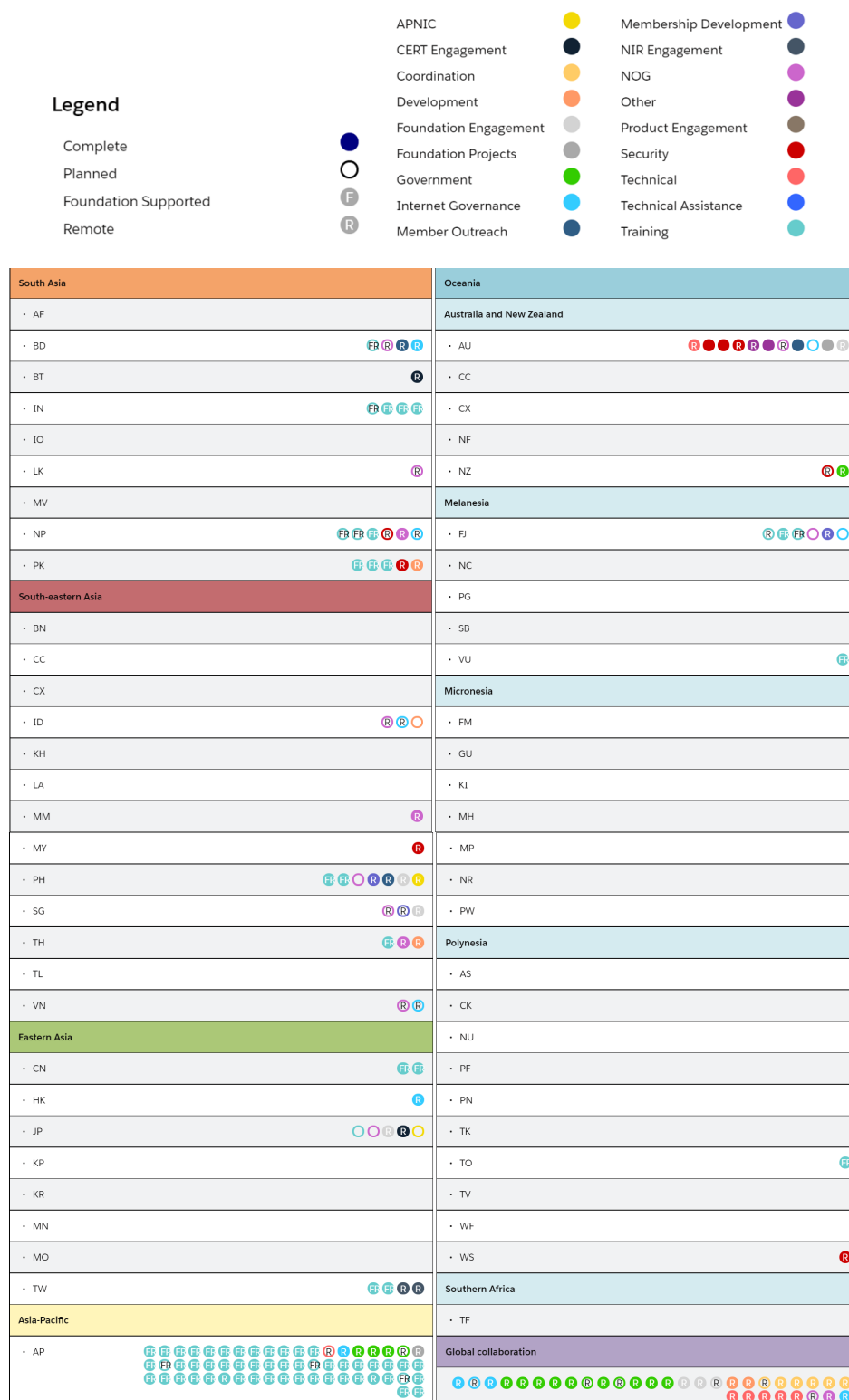


Figure 19: Engagement summary by month



**New subregion added as 'Asia Pacific' to capture live eTutorials delivered for the AP region and regional events that are not economy-specific.*

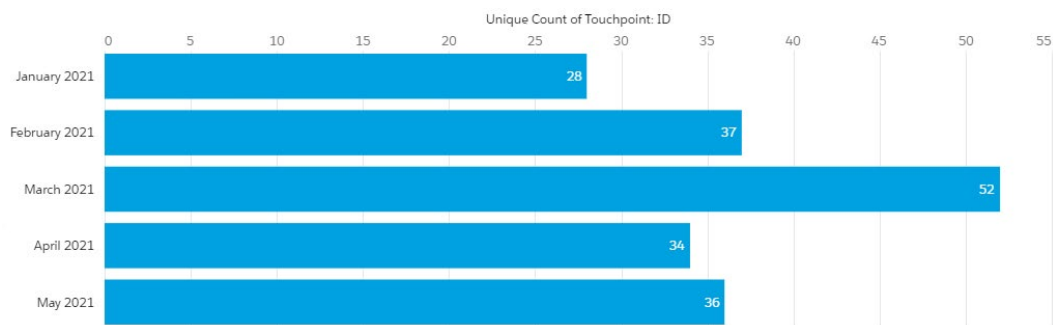
Figure 20: Engagement summary by subregion/type



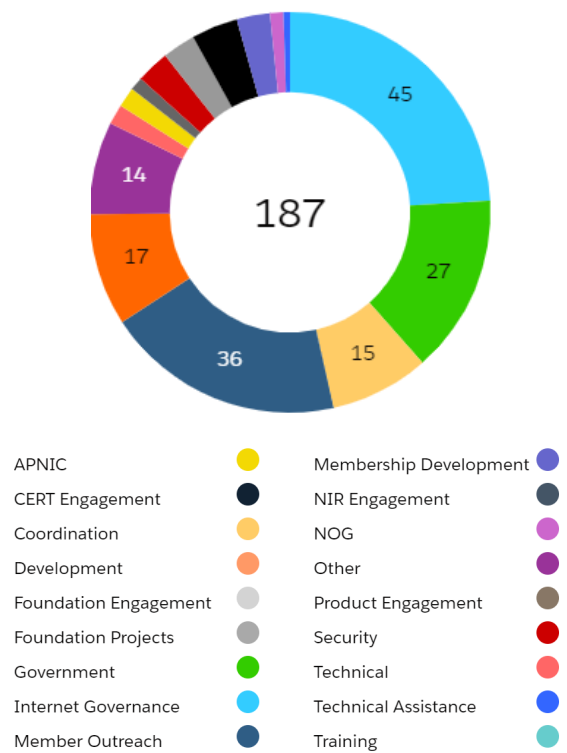
**Global collaboration is for events dedicated and engaged outside the Asia Pacific region. Asia Pacific refers to events delivered for the AP region or regional events that are not economy-*

Figure 21: Engagement detail by economy

Touchpoints by month



Touchpoints by engagement types



Unique contacts in touchpoints by subregion

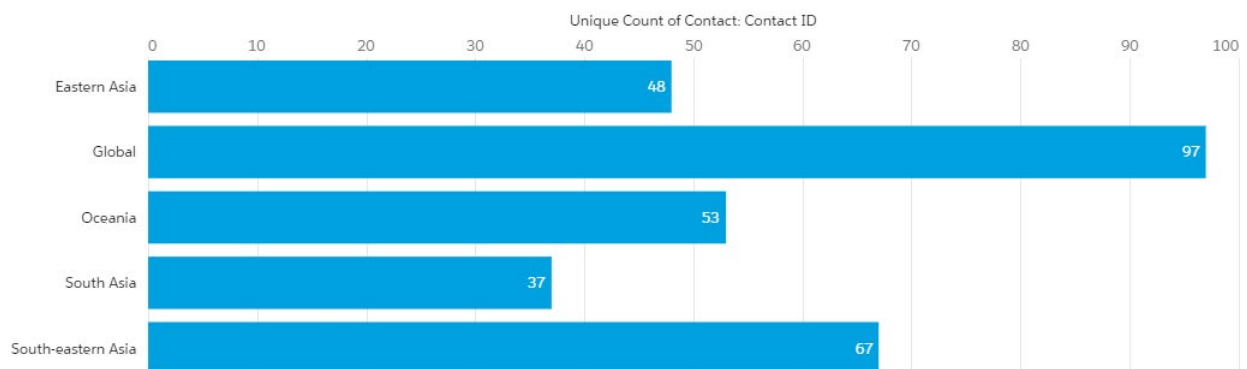


Figure 22: Touchpoints summary

Note: Touchpoints are records of interactions by APNIC staff with a contact (APNIC Member or Non-Member), usually during an event.

	Success Measures – 3C.6.	Results	Status
1	Facilitate one External Relations coordination retreat.	Completed	●
2	Facilitate 10 External Relations team coordination meetings.	3/10	●

3D Community Participation

Operations

3D.1 Community-led processes

- At APNIC 51, 473 people participated in SIG meetings online. An additional 40 people joined the Policy SIG Chairs' online community consultation for the Policy Document Review in March, leading to the creation of the Policy Document Review WG.
- A joint SIGs meeting was held at APNIC 51 to discuss proposed changes to SIG elections. A call for comment on documented changes concluded on 21 April and the updated [SIG Guidelines](#) became active on 22 April.
- Promotion of APRICOT 2021/APNIC 51 included email bulletins; mailing list posts; social media promotion via Facebook, Twitter, and LinkedIn; and blog posts. The same methods were used to promote the Policy SIG consultation in March and to invite participants to join the WG.

Community Representatives Discussion

- An online discussion between the APNIC EC, elected representatives of the SIGs, IANA RC, NRO NC, members of APIX and APNOG, and Secretariat staff was held on 22 April. The discussion centred on community feedback on APRICOT 2021/APNIC 51 and the online conference format.
- The attendees agreed to hold similar meetings quarterly to provide an opportunity to share information between community representatives, the EC, and the Secretariat.

	Success Measures – 3D.1.	Results	Status
1	Achieve 800 online SIG participants across two conferences.	473 participants	●
2	Grow SIG mailing lists subscribers from 1,268 to 1,325.	1,308 subscribers	●
3	Achieve 6,000 remote conference session views.	4,707 views	●
4	Achieve attendance of 1,000 conference delegates across two conferences.	852 attendees	●

3D.2 Online participation

apnic.net

- Visitor numbers to apnic.net increased in February and March, with time on site at its highest point in March. The top five visitor economies were the United States, India, China, Australia, and Japan.

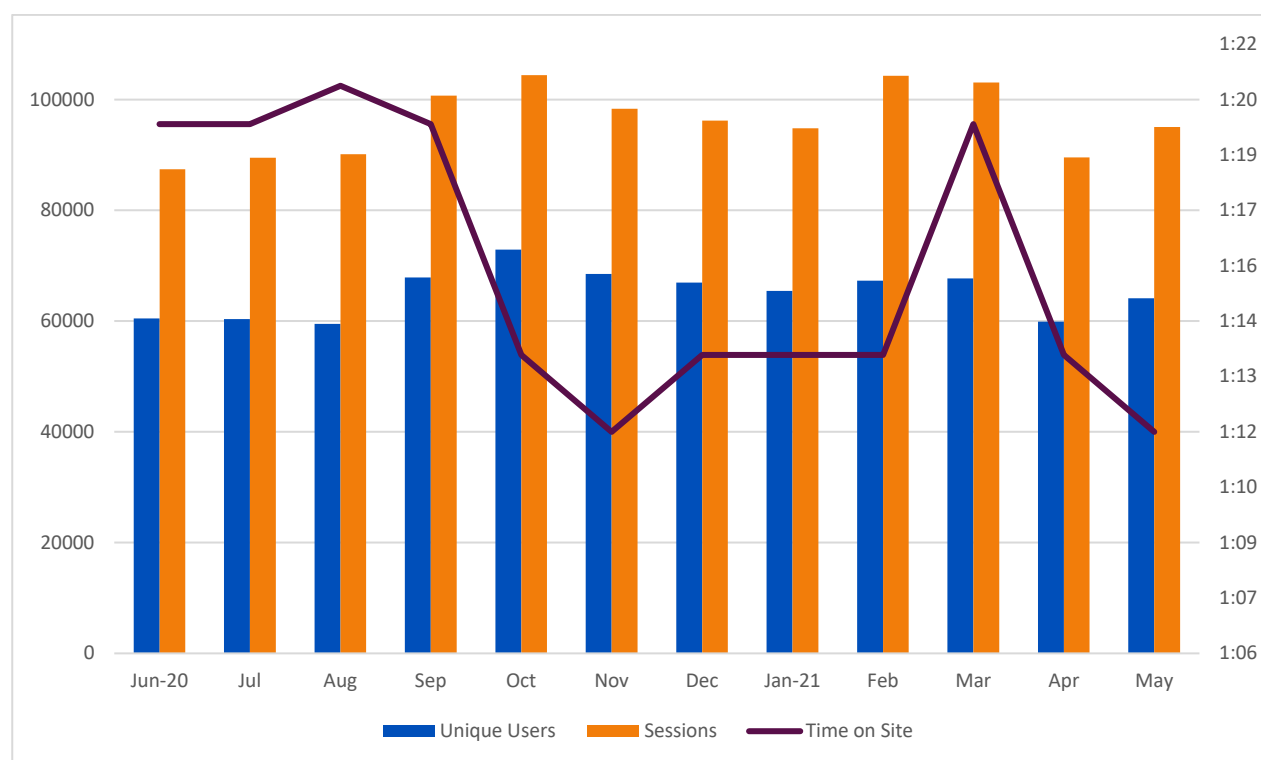


Figure 23: apnic.net website visits

Economy	Total Sessions	Unique Users
United States	99,546	89,170
India	51,265	32,968
China	40,792	24,517
Australia	33,184	19,451
Japan	26,528	18,241
Brazil	15,522	14,369
Bangladesh	26,189	13,618
Hong Kong	52,265	9,496
Indonesia	14,871	8,743
Philippines	11,709	6,965

Table 7: Top 10 economies - apnic.net website sessions and visitors

Social Media

		2020 Mthly Avg	Jan	Feb	Mar	Apr	May	Total
Facebook	Reach	282,214	292,708	54,236	124,381	161,845	142,426	775,596
	Likes	N/A	30,330	30,354	30,367	30,313	30,319	30,319
Twitter	Followers	N/A	12,290	12,393	12,505	12,593	12,697	12,697
	Engage	5,312	4,199	4,661	4,244	4,737	4,280	22,091
YouTube	Views	3,600	2,217	2,778	6,814	2,523	2,253	16,585
	Hours	392.1	184.9	348.6	988.1	207.0	207.4	1,936
Slideshare	Views	13,117	10,790	11,960	11,234	10,327	11,528	55,839
LinkedIn	Reach	11,820	19,683	20,431	17,185	15,253	20,189	92,741
	Followers	N/A	5,517	5,630	5,760	5,861	5,970	5,970

Table 8: Social Media reach

Success Measures – 3D.2.		Results	Status
1	Grow all-time Blog views from 2.6 million to 3.4 million.	2.9 million	●
2	Increase 12-month tweet engagements from 60,000 to 62,000.	22,091	●
3	Increase annual Facebook posts reach from 3 million to 3.2 million.	775,596	●

3D.3 Encouraging newcomers and diversity

- APNIC presented and participated in the Diversity in Tech Panel session at APRICOT 2021/APNIC 51.
- 37% of APRICOT 2021/APNIC 51 attendees (317) were newcomers.
- Achieved 180 new blog subscribers (total 1,180), 482 new Twitter followers, and 559 new LinkedIn followers.

Success Measures – 3D.3.		Results	Status
1	Attract 400 newcomers to APNIC conferences.	317 newcomers	●
2	Attract 125 new Blog email subscribers to reach 1,125 total.	180 new subscribers (total 1,180)	●
3	Grow Twitter followers from 12,100 to 13,250.	12,697	●

3E APNIC Academy

Operations

3E.1 Product management

- A new self-paced Routing Fundamentals course was published to replace the existing Routing Basics course. The course includes 39 new topics and five hours of new learning material.
- New virtual labs were added including Hashing Lab (File Integrity), SSH (Secure Shell) Lab, DHCPv6-PD Lab, Linux Basics Lab and PGP (File and Email Security).
- Mobile support and functionality were added to the APNIC Academy course catalogue.

	Success Measures – 3E.1.	Results	Status
1	Migrate legacy training site information to APNIC Academy and decommission previous site.	Scheduled Q3	●
2	Develop a comprehensive curriculum of blended learning for future certification.	In progress	●

3E.2 Instructor-led Training

- APNIC remains unable to deliver face-to-face training due to COVID-19 restrictions (all training is remote). Testing of 'hybrid mode' training events (where participants gather at a common venue and instructors deliver content remotely) has begun with assistance from local hosts/partners.
- Completed development of the Network Management and Monitoring course. Completion of the Network Automation course is due by Q3.
- Updated the following existing course contents (modules):
 - BGP-TE/Multihoming lab module
 - BGP OpSec (Operations & Security) BCP lab
 - New DHCPv6-PD lab (both for Instructor-led and Virtual labs for Academy)
 - New SSL/TLS slides and lab module
 - New IPv6 Transition techniques slides – 6rd and NAT64/DNS64/464XLAT

January to May 2021	APNIC Instructor-led training
Courses (by topic)	54 courses delivered / 1,084 attendees
Webinars	9 webinars (3 external/guest speakers) / 532 attendees

Table 9: Instructor-led training

	Success Measures – 3E.2.	Results	Status
1	Develop two new/updated courses for instructor-led tutorials/workshops.	1 new course completed 3 courses updated	●
2	Conduct 70 instructor-led tutorials/workshops across four sub-regions.	54 tutorials/workshops delivered	●
3	Conduct 18 live webinars.	9 webinars delivered	●

3E.3 Self-paced training

January to May 2021	APNIC Academy
Courses (by topic)	441 completions, 1,763 enrolments
Virtual Labs	2,052 labs launched; 2,100 hours completed
Students	2,130 new accounts (13,700 in total)
Locations	41 economies

Table 10: APNIC Academy training

	Success Measures – 3E.3.	Results	Status
1	Publish four new/revised self-paced online courses.	1 new course, 3 in progress	●
2	Publish five new self-paced Virtual Labs (associated with multiple courses).	Completed	●

3E.4 Technical Assistance

RPKI

- Proactive outreach and support to network operators 17 operators in 7 economies (PH, PK, AU, BT, IN, FJ and NP), to reduce invalid routes

Network Design

- Developed new address plan and a high-level network design with Tonga's Ministry of MEIDECC.
- Providing network design advice to NCell (NP).

IXP

- Restarted the delayed Fiji IX upgrade; confirmed the PKIX (Lahore) setup plan with PTA and initiated a discussion among the operators in Tonga (TCL/Digicel/TCC) to revive Tonga IX.

	Success Measures – 3E.4.	Results	Status
1	Begin conducting technical assistance via the APNIC Academy online platform.	Platform in development	●

3E.5 RPKI awareness and deployment support

- In addition to direct RPKI support provided to 17 Members (3E.4), 12 RPKI training events were delivered.
- Three RPKI deployment case studies covering Mongolia and Pakistan's nationwide efforts, and Australian ISP, Vocus, were published. Eighteen RPKI-tagged posts have been published on the APNIC Blog.
- The proportion of Members with ROAs grew from 50.67% to 69.69%.
- APNIC Labs released an ROA measurement tool (alongside the existing ROV measurement tool) to help monitor the progressive deployment of RPKI across the Internet (see 4B.1). The two measurement tools are available at:
 - ROA: <https://stats.labs.apnic.net/roa>
 - ROV: <https://stats.labs.apnic.net/rpki>

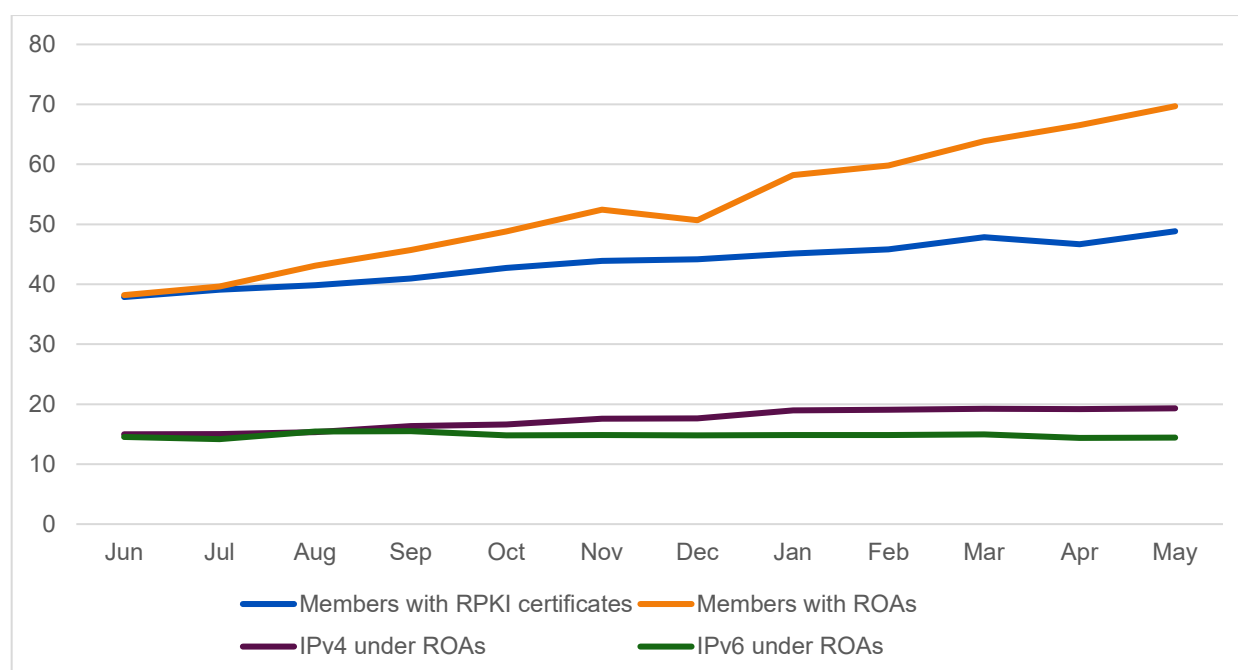


Figure 24: RPKI usage

	Success Measures – 3E.5.	Results	Status
1	Conduct eight RPKI/ROV focused instructor-led tutorials/workshops spread equally across sub-regions.	12 completed	●
2	Achieve 90% ROA coverage for four additional economies.	3 economies PK (97%), MV (98%), TO (95%)	●
3	Publish four RPKI/ROA/ROV deployment case studies.	3 published	●

3E.6 IPv6 awareness and deployment support

- APNIC delivered 11 IPv6 deployment focused training events.
- Published eight IPv6-tagged posts on the APNIC Blog.
- Published one new IPv6 deployment success story on China Telecom, bringing the total number of IPv6 deployment stories on the APNIC website to 40.
- IPv6 capability for the Asia Pacific region was 34.76% as measured by APNIC Labs.

	Success Measures – 3E.5.	Results	Status
1	Conduct eight IPv6 deployment focused instructor-led tutorials/workshops spread equally across sub-regions.	11 done	●
2	Publish three IPv6 deployment case studies.	1 published	●

Investments

3E.7 Platform and curriculum development

“Development of APNIC Academy to support training and technical assistance, and a comprehensive curriculum for self-paced and instructor-led training to help meet community demand for technical skills development”.

Status:

- Bengali language support was added to the Academy, and Mongolian subtitles added to online courses.
- Integration of online training systems scheduled to begin in Q3.
- MVP (Minimum Viable Product) of Online Technical Assistance Platform scheduled for launch in Q3.

3E.8 Community Trainers network

“Recruit, retain and develop more Community Trainers to expand the scope and effectiveness of APNIC training to help meet increasing community demand for technical skills development”.

Status:

- There are 24 active Community Trainers with four additional candidates interviewed and shortlisted.
- Twenty-one Community Trainers from 12 economies were engaged for 34 instructor-led online training events.
- A new Community Trainers model for dedicated on-the-ground local support to the community is due to be launched in Q3 2021. Some existing Community Trainers will be converted to the new model.

3E.9 Curriculum for non-technical audiences

“Build introductory courseware about fundamental Internet concepts, IP address management, and Internet governance to help non-technical audiences better understand Internet operations and improve interactions with the technical community”.

Status:

- A recruitment process commenced in February and a team of instructional designers was appointed.
- The project is in the analysis and requirements gathering phase.

3F Internet Infrastructure Support

Operations

3F.1 Internet infrastructure deployment

- Restarted the discussion with Fiji IX to progress the COVID-19 delayed upgrade and ongoing discussion with PTA and PK community to set up PKIX in Lahore (see 3E.4). APNIC will encourage these IXP hosts to install RIPE Atlas anchors as part of the IX deployment.
- Root server deployment efforts are focused on the M-root project (see 3F.3).

	Success Measures – 3F.1.	Results	Status
1	Support deployment of two new or upgraded IXPs.	0 deployed, 2 in progress	●
2	Support four additional IXPs to deploy RPKI/ROV on their route servers.	0 deployments	●
3	Deploy or upgrade four RIPE Atlas anchors at various networks.	0 deployed	●
4	Deploy 12 new root server instances.	0 deployed, 5 in progress	●

3F.2 Community Honeynet and Security Threat Sharing Platform

- Feeds from the honeynet datasets were created for consumption by instances of the MISP threat sharing platform. The relevant feeds are shared with National CERTs and the ShadowServer Foundation.
- Four security engagements were held with communities in Bhutan, Mongolia and Taiwan based on datasets from the Honeynet Project.
- Enhanced the system backend to include a sandbox for processing Linux/Unix malware.
- Supported six requests for additional insights from DASH users.
- Addition of two new partners to the Community Honeynet Project is in progress.
- Hosted an intern from Griffith University (Masters in Cybersecurity program) to assist in honeynet data analysis.

	Success Measures – 3F.2.	Results	Status
1	Increase Community Honeynet partners from 10 to 15.	10 partners	●

Investments

3F.3 M-root anycast instance deployment support

“Establishing a new partnership with the WIDE Project and JPRS to support anycast deployment of M-root”.

Status:

- Deployment of M-root servers in Guam, Hanoi, Kaohsiung, Manila, and Dhaka are progressing.

4 Information



Operations

4A Information Products

4A.1 APNIC Blog

	Jan	Feb	Mar	Apr	May	YTD	All time
Views	62,057	56,903	74,376	72,576	71,578	337,490	2,976,425
Posts	27	30	38	27	28	150	2,550

Table 11: APNIC Blog activity

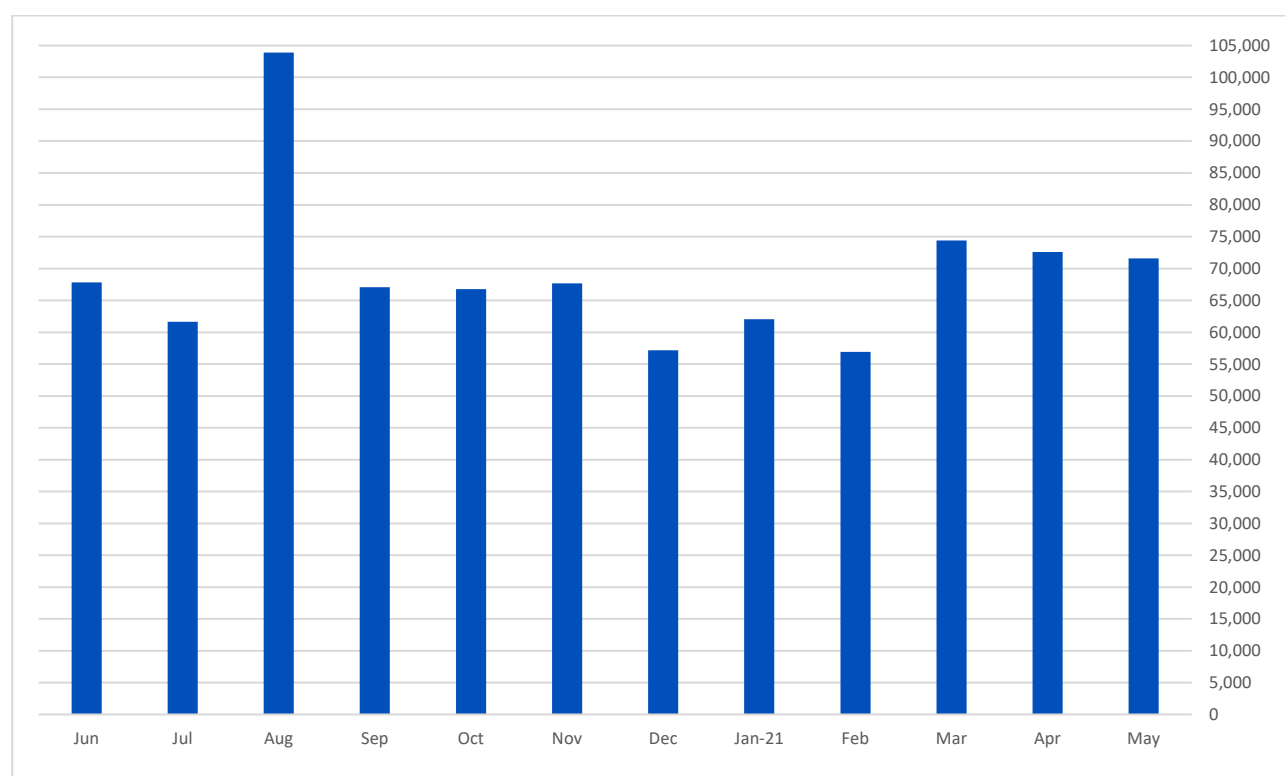


Figure 25: APNIC Blog views

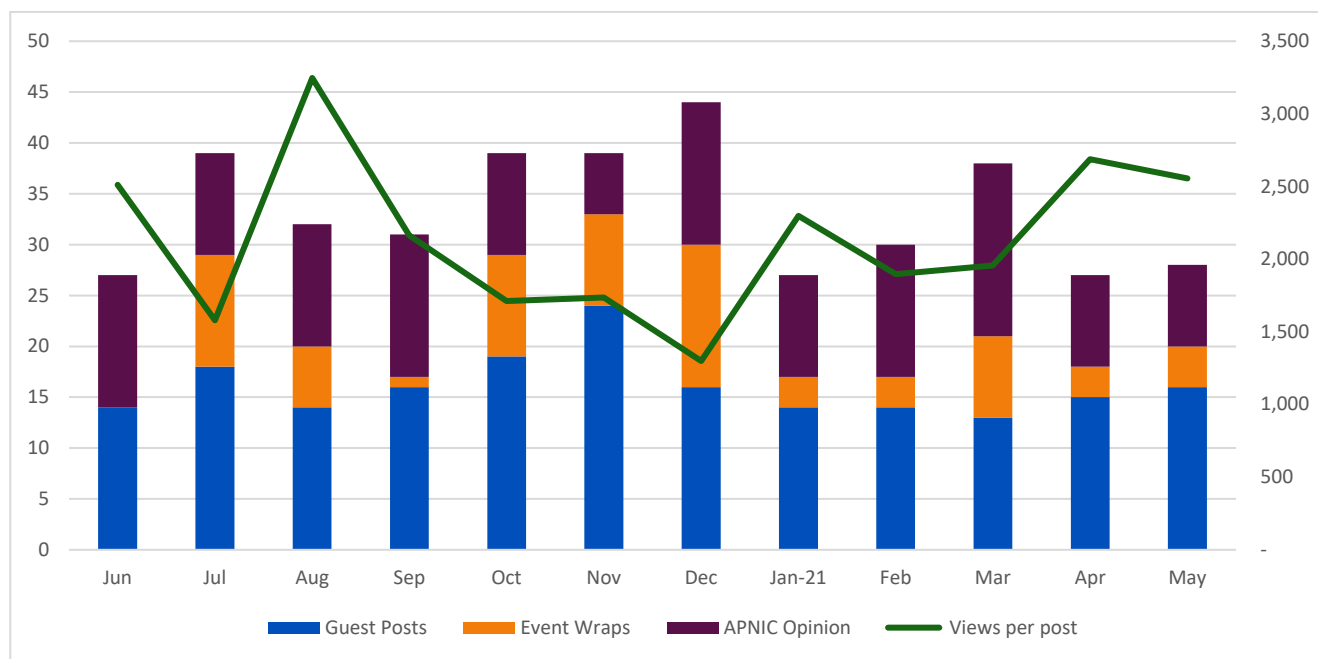


Figure 26: APNIC Blog posts

- The Blog averaged 67,498 views per month, a 4% increase on 2020's monthly average of 64,778. The Blog is expected to pass the milestone of 3 million views (all-time) in June.
- There have been 72 Guest Posts in 2021, representing 56% of total opinion posts (in line with 2020).
- Popular new posts included:
 - [A Brief History of Router Architecture](#), a Guest Post by Tony Li.
 - [BGP in 2020 – The BGP Table](#) by Geoff Huston.
 - [How Chromium Reduced Root DNS Traffic](#), a Guest Post by Duane Wessels.
- Development and testing began on a 'recommended posts' function that is expected to be added to the Blog in Q3 2021.

Success Measures – 4A.1.		Results	Status
1	Grow all-time Blog views from 2.6 million to 3.4 million.	2.9 million	●
2	Average 64,000 Blog views per month.	67,498 views	●
3	Maintain Blog Guest Post ratio between 45-65%.	56%	●

4A.2 Information product management

Internet Directory

- A new name, Resource Explorer (Rex)', is currently being tested with users.
- A new version of the Internet Directory was launched and is in beta testing. It includes better support for new users, new information architecture, and other UX improvements.

DASH

- A recurring reports feature was released, allowing users to receive PDF reports by email at their chosen frequency. More than 20 users have set up recurring reports to date.
- New empty states were designed and implemented to improve usability.
- The “Identifying suspicious traffic with DASH” webinar was delivered to 45 attendees from 20 economies to increase community awareness of the product.
- Improvements to the backend architecture are currently being implemented to improve performance and reliability.

NetOX

- A new ‘Experimental’ tab was created for widgets to improve usability. The IRR Explorer widget was moved to this new section and data about the value of the widget is being assessed.
- A ‘share’ feature has also been designed to improve usability but is pending implementation.

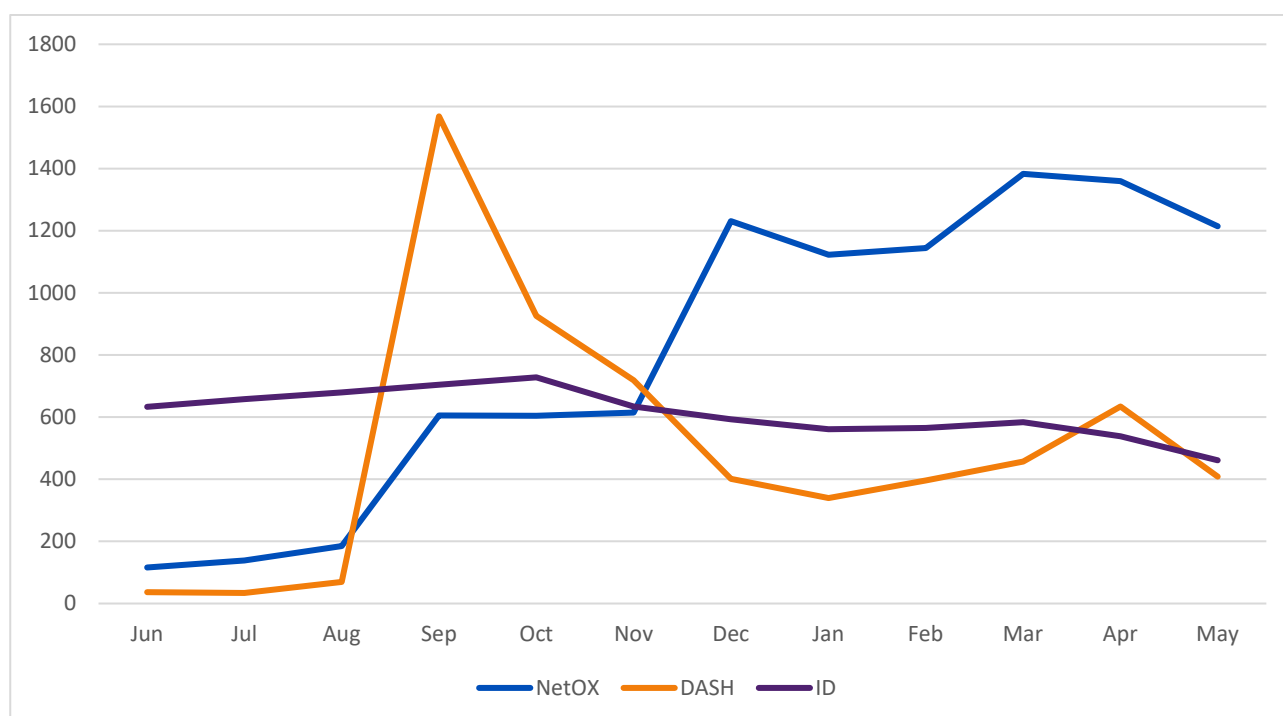


Figure 27: Monthly number of users


	Success Measures – 4A.2.	Results	Status
1	Reach an average of 400 users per month to NetOX and DASH, and of 700 users per month to the Internet Directory.	810, 499 and 611	●
2	Achieve a net promoter score (NPS) of 80+ for all products.	69, 71 and 44	●
3	Achieve a usability score of at least 4.5/5 for all products.	4.5, 4.5 and 4.4	●

4B Research and Analysis

Operations


4B.1 Conducting research and measurements

- New measurements on the use of IPv6 as a transport protocol for the DNS and IPv6 Extension Header handling, including fragmentation, were completed.
- Analysis of IPv4 and IPv6 advertised, unadvertised and reserved address pools over time continues.
- Completed reporting on the annual state of BGP, and further development of routing bogon and CIDR reports, as input to the ISOC MANRS activity. Work continues on automated BGP anomaly detection.
- An RPKI ROA monitor was developed, in addition to the existing ROV monitor, to help measure progressive deployment of RPKI.
- DNS research included analysis of the handling of large DNS responses, adoption of DOH, and DNS query patterns.
- Published 15 blog articles, including research findings, analysis of trust infrastructure, and a commentary on new Internet technologies.

	Success Measures – 4B.1.	Results	Status
1	Twelve research articles and reports published.	15 articles published	

4B.2 Cooperative research opportunities

- Entered a cooperative research program with ISOC in support of MANRS, providing a feed of routing data.
- Worked on a measurement framework for the Identifier Health Indicators (ITHI) program, as well as collaborative measurements on aspects of the DNS and DNSSEC, as part of a cooperative research agreement with ICANN.
- Research collaboration continues with Cloudflare.

	Success Measures – 4B.2.	Results	Status
1	Conduct cooperative research with organizations such as CloudFlare, ICANN, RIPE NCC and others.	3 collaborative research projects	

4B.3 Sharing research outcomes

- Delivered 16 presentations at community and industry events.

	Success Measures – 4B.3.	Results	Status
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1	Ten research presentations delivered.	16 presentations delivered	●
2	At least two research presentations at APNIC conferences.	3 presentations at APNIC 51	●

5 Capability



Operations

5A Internal Technical Infrastructure

5A.1 Architecture and technical coordination

- The workflow for documenting and implementing APIs was reviewed and improved. The use of OpenAPI to describe internal APIs is now standard practice.
- Requirements for inter-system tracing and management have been adopted.
- Product teams are taking a common approach to dependency maintenance, balancing security concerns and using a common tool to monitor for updates.
- The Information Product team has experimentally used Rust to achieve lower memory footprint deployments than Java or Python, with strong static safety checks. This experiment is the first to have gone through the full technical coordination process for exploring new technologies.

	Success Measures – 5A.1.	Results	Status
1	Complete review of testing environment and practices.	Completed	●

5A.2 Network and infrastructure operations



- A shared POP deployment in Singapore SG1 for both APNIC critical services and M-root global anycast node is being investigated.
- Signed up to the NextDC carbon offset program to offset 100% of the carbon emissions generated by the power consumed in APNIC's NextDC data centre service.

	Success Measures – 5A.2.	Results	Status
1	Complete quarterly data centre failover tests.	Q1 completed	●
2	Upgrade internal infrastructure NOC from overnight 'on-call' to full 24x7 operation.	In progress	●
3	Maintain availability of 99.99% for critical APNIC services and 99.95% for less-critical services.	99.99% and 99.97%	●

5A.3 System and platform operations



- Two new high performance storage arrays have been deployed to two separate data centres, replacing existing network storage.
- The Hardware Security Module (HSM) is being reconfigured to provide High Availability (HA) service to RPKI allowing data centre failover.

- An upgrade of the on-premises Kubernetes test cluster, virtual machine environment hosts, and management server was completed.
- Work is in progress to consolidate and return IPv4 addresses to the free pool.
- Migration of the DNSSEC signer from Secure64 to Knot is on track for completion by end Q2.

	Success Measures – 5A.3.	Results	Status
1	Develop strategy for cloud and interconnection.	In progress	
2	Complete service migration to cloud for six services/websites.	In progress	

5A.4 Internal security operations

- As part of ISMS for ISO 27001 preparations, the evaluation of the vulnerability scanning, and Security Information and Event Management (SIEM) system was completed. Rapid7 will provide the selected systems.
- Through our public Vulnerability Reporting Program, APNIC received 22 unique and verified vulnerability reports from external security researchers in 2021. Sixteen vulnerabilities were resolved, with three still in progress within the 90-day period.
- Unresolved vulnerability reports outside of 90 days include:
 - Vulnerabilities related to login.apnic.net are on hold, pending the new SSO replacement.
 - Medium severity vulnerabilities in stats.labs.apnic.net are being addressed as part of a server-wide remediation of the root cause.
 - Low severity vulnerabilities on my.apnic.net and all WordPress sites (for example, www.apnic.net, Blog, Foundation, APIDT) have upgrades and security improvements planned, but not yet implemented.
- Cyber fraud awareness training for finance and services staff was completed.
- The Acceptable Use and Bring Your Own Device policies were reviewed and updated in consultation with staff.
- Work was performed with directors and managers to update policies and procedures that align with ISO 27001.

	Success Measures – 5A.4.	Results	Status
1	Achieve readiness for ISO27001 certification.	Preparation of documents in progress	
2	Track and resolve all vulnerability reports within 90 days.	16/22 reports resolved (3 in progress)	

5A.5 Enterprise application management

- All EC members have now migrated to Okta SSO for authentication to APNIC systems.
- Started work on the migration to Atlassian cloud for Confluence, for completion in Q3.
- The Legacy Application roadmap to migrate from certificate-based auth for internal applications is progressing to scheduled completion in Q4.

- Implemented next generation backup solution for the CRM.
- The initial implementation of DocuSign for contract management was completed.

	Success Measures – 5A.5.	Results	Status
1	CRM roadmap established.	In progress	●

Investments

5A.6 Product platform development

“Further development of infrastructure and services platforms common to APNIC products, to streamline product development, integration, and consistency”.

Status:

- A new Single Sign-On (SSO) architecture was developed and the existing SSO service is expected to be replaced in December.
- Centralized product build tooling is in the final stages of development and testing.

5B Finance and Business Services

Operations

5B.1 Internal knowledge management

- The staff intranet is being migrated from Foswiki to Confluence and Sharepoint, with hub sites created for all departments.

	Success Measures – 5B.1.	Results	Status
1	Successful implementation of internal knowledge management tools with increased user satisfaction and experience.	In progress	●

5B.2 Financial services

- The 2021 Activity Plan and Budget was implemented into the APNIC accounts in January. A monthly forecast process has been implemented to track income and expenses and monitor expense variations to budget caused by COVID-19 restrictions.
- Implementation support for the new ERP solution for APNIC Foundation Australia was provided, as well as development of accounting procedures to manage Foundation-funded projects in 2021.
- The annual audit of APNIC’s 2020 financial accounts was completed by Deloitte and presented to the EC at APNIC 51.

	Success Measures – 5B.2.	Results	Status
1	Achieve a successful audit of APNIC's annual financial accounts.	Completed	●

5B.3 Business services

- An external surveillance audit of APNIC's ISO9001:2016 quality management system will be performed in August. Internal audits are being completed in preparation.
- A project to digitize legacy paper membership forms was completed at the end of March to improve access for services and finance teams.

	Success Measures – 5B.3.	Results	Status
1	Complete annual ISO Quality management compliance audit successfully.	Due August	●
2	Undertake quarterly BCP scenario testing.	Due July	●

5B.4 Data governance and business intelligence

- Reporting functions in APNIC's legacy business intelligence system (O3) have been replicated into a new system. O3 will be decommissioned at the end of the year.

	Success Measures – 5B.4.	Results	Status
1	Complete APNIC-wide data model and data dictionary.	In progress	●
2	Generate all Secretariat report data/charts from BI system.	In progress	●

5C Employee Experience

Operations

5C.1 Organizational development

- The Aspire Leadership program has continued for APNIC's executive and wider leadership teams, with regular webinars on leadership topics including strength-based leadership and feedback.
- A new goal setting process was launched to clearly link all individual goals to an organizational goal and improve goal progress monitoring.

	Success Measures – 5C.1.	Results	Status
1	Strategic goals clearly cascade to individual performance measures in performance management system in 2021.	Complete	●
2	Deploy agile work practices across the organization.	56% complete	●

5C.2 Work environment management

- With the relaxation of COVID-19 restrictions, a hybrid environment of office access and work from home arrangements continues with the APNIC office open for staff. The changing impact of COVID restrictions on staff and operations continues to be monitored.

	Success Measures – 5C.2.	Results	Status
1	No WHS incidents caused by APNIC's local or remote work environments — zero fault incident reports.	No incidents	●

5C.3 Talent attraction and retention

- Eight permanent roles and two casual positions were filled, with two new contractors engaged.
- Two new Directors were appointed to oversee Member Services (Karla Skarda) and Finance (Nathan Harvey).

	Success Measures – 5C.3.	Results	Status
1	Maintain staff turnover rate within acceptable benchmarks of 5-15%.	1% turnover	●
2	Training budget is 100% allocated and distributed across the organization.	45% spent	●

5C.4 People operations management

- The development of a hybrid working model is in progress so that staff have guidelines for combining remote and office work to maximize engagement and effectiveness.
- Staff who have had to travel overseas for compassionate reasons have been supported during quarantine and remote work.

	Success Measures – 5C.4.	Results	Status
1	All HR policies, in particular, flexible work, parental leave and oncall allowance policies, reflect best practice.	In progress	●

Investments

5C.5 Agile APNIC

“Expand adoption of Agile methodologies to non-technical teams within APNIC”.

Status:

- Five non-technical teams have adopted appropriate Agile practices for the management of their work. The remaining four teams will be completed by end Q4.

5C.6 People management portal

“Procure and implement a cloud-based solution to unify recruitment, onboarding, performance management, learning and development, salary data and reporting under one HR platform”.

Status:

- Implementation of the Sage People human resources portal project ‘Discovery’ phase is completed and UAT is underway.

5C.7 APNIC workspace remodelling

“On the 10-year anniversary of the establishment of the current Brisbane office, remodel premises to accommodate an increased workforce and better integrate with remote working and hotdesking practices”.

Status:


- An architectural and structural review of the office facility was completed. The outcome indicated the current accommodation can be extended to seat 140 staff, but at significant cost.
- Other alternatives are being considered, including relocation.

5D Governance

Operations


5D.1 Executive Council (EC) support

- Feng Leng was elected to the APNIC EC for the first time at APNIC 51, with Gaurab Raj Upadhaya, Kenny Huang, and Yoshinobu Matsuzaki re-elected to the EC, for two-year terms.
- Feng Leng participated in the EC induction program in April.
- The first EC meeting of the year was held on 22 February and 4 March 2021.

	Success Measures – 5D.1.	Results	Status
1	Achieve a high level of satisfaction from a survey of EC members.	Survey is being developed	

5D.2 Corporate governance and legal

- A revised Strategic Risk Register was presented to the EC in February.

Success Measures – 5D.2.		Results	Status
1	Quarterly Strategic Risk Register updated and reviewed.	1/4 complete	

Events/Activities in 2021

Start Month ↑	Event Name	City	Economy
1	Webinar: Practical Threat Information Sharing	Online	AP
	Live eTutorial: Segment Routing	Online for TWNOG	TW
	Focus Group Discussion on Capital Mobilisation	Online	AP
	MMNOG 4 (2021)	Online	MM
	CWG-Internet Open Consultation	Online	CH
	Live eTutorial: Network Security	Online	AU
	Live eTutorial: IPv6 Deployment	Online	AU
	Live eTutorial: Securing Internet Routing with RPKI	Online	AU
	Live eTutorial: Network Security	Online	AU
	JANOG 47	(Hybrid) Fukuoka	JP
	3rd International Cyber Resilience Conference (CRC)	Online	MY
	SANOG 36	Online	NP
	3rd Meeting of ITU TDAG WG on WTDC Resolutions	Online	CH
	2021 TPRE (Trans-Pacific RandE) Virtual Meeting	Online	US
	SANOG: Securing Internet Routing tutorial (RPKI/ROV implementation)	Online	NP
	Outreach/TA - TashiCell	Online	BT
	IBCAST 2021 Pakistan	Online	PK
	Live eTutorial: Securing Internet Routing with RPKI	Online	AU
	Live eTutorial: IPv6 Deployment	Online	AU
	PTC '21	Online	US
2	APEC TEL 62 DSG Meeting	Online	NZ
	1st IGF 2021 Open Consultations and MAG Meeting	Online	CH
	APRICOT 2021/APNIC 51	Online	
	Live eTutorial: Cryptography Fundamentals	Online	AU
	NDSS Symposium 2021	Online	US
	Live eTutorial: DNS Fundamentals	Online	AU
	Samoa Cyber Security Week	Online	WS
	Live eWorkshop: Securing Internet Routing with RPKI	Online for PK	PK
	MANRS Tech Talk with Tashi Phuntsho	Online	AU
	Live eTutorial: IPv6 Transition Techniques	Online	PK
	Live eTutorial: Secure Internet Routing	Online	PK
	APAN 51	Online	PK
	NANOG 81	Online	US
	Live eTutorial: Securing Internet Routing with RPKI	Online for North/North-East India	IN
	Outreach/TA - u-blox Lahore Pvt Ltd.	Online	PK
	Outreach/TA - Bank Alfalah Limited	Online	PK
	Outreach/TA - Pakistan Software Export Board	Online	PK

	Outreach/TA - Interwood Mobel Pvt Ltd	Online	PK
	Outreach/TA - National Telecommunication Corporation	Online	PK
	Outreach/TA - i2c inc.	Online	PK
	Outreach/TA - CubeXS Pvt Ltd	Online	PK
	Outreach/TA - IJ Internet Services (PVT.) Limited	Online	PK
	Outreach/TA - Pakistan Petroleum Limited	Online	PK
	Live eTutorial: DNS Fundamentals	Online	AU
	Live eTutorial: IS-IS Operations	Online	AU
	Live eTutorial: OSPF Operations	Online	AU
	Live eTutorial: IPv6 Architecture & Address Planning	Online	AU
	Live eTutorial: BGP Fundamentals	Online	AU
	FIRST Regional Lightning Talk Session	Online	JP
	Live eWorkshop: Introduction to SDN	Online for ISOC Chennai	IN
	DNS-OARC 34 Workshop	Online	US
	Live eTutorial: OSPF Operations	Online	AU
	Webinar: Single Sign On (SSO) for Remote Workforce	Online	AP
	Live eTutorial: Cryptography Fundamentals	Online	AU
	Live eTutorial: IS-IS Operations	Online	AU
	Live eTutorial: BGP Fundamentals	Online	AU
	APT WTDC21-2 Preparatory Meeting	Online	TH
	Live eTutorial: IPv6 Architecture & Address Planning	Online	AU
	Webinar: Internet Resource Management	Online	AP
	Informal Experts Group on WTPF-21	Online	CH
	APRICOT: Live eTutorial: ROA/RPKI	Online	PH
	Root Server System (RSS) Information Sharing	Online	AP
	APNIC EC Meeting - 22 Feb 2021	Online	AU
	bdNOG Policy Discussion for APNIC51	Online	BD
3	APEC TEL 62 SPSG Meeting	Online	NZ
	Internet & Jurisdiction Policy Network Toolkit Lounge	Online	FR
	BrisSEC21	Brisbane	AU
	CrikeyCon VII	Brisbane	AU
	ICANN 70	Online	MX
	IETF 110	Online	CZ
	WIDE Project Camp 2021	Online	JP
	IPv6 Deployment (Intensive) - Vanuatu - Pacific Technical Training Project	Online	VU
	APEC TEL 62 Plenary	Online	NZ
	ITU RPM-ASP WTDC-21	Online	TH
	Live eTutorial: Securing Internet Routing with RPKI	Online for IN	IN
	Live eTutorial: MPLS Fundamentals	Online	AU
	Live eTutorial: 464XLAT	Online	AU
	Live eTutorial: Packet Analysis	Online	AU

	ITU 1st Interregional Meeting for WTDC-21	Online	CH
	Outreach/TA - Optus	Online	AU
	Webinar: Identifying Suspicious Traffic with DASH	Online	AP
	ITU-T Study Group 13 Meeting 2021	Online	CH
	Live eTutorial: Securing Internet Routing with RPKI	Online for CN	CN
	ROA workshop with PH cable operators	Online	PH
	OECD - 3rd Session of the Working Party on Security in the Digital Economy	ONLINE	FR
4	Live eTutorial: MPLS Fundamentals	Online	AU
	Live eTutorial: BGP OpSec BCP	Online	AU
	Live eTutorial: DNSSEC Fundamentals	Online	AU
	Live eTutorial: BGP TE Techniques	Online	AU
	Live eTutorial: 464XLAT	Online	AU
	Live eTutorial: Packet Analysis	Online	AU
	Digital Connectivity and LEO Satellite Constellations: Opportunities for AP	Online	PH
	bdSIG 2021	Online	BD
	Webinar: OTT – Challenges and Technical Evolution	Online	AP
	ARIN 47	Online	US
	5th Meeting of ITU TDAG WG on WTDC Resolutions	Online	CH
	MPLS - Fiji - Pacific Technical Training Project	Online for FJ	FJ
	Outreach/TA - Globe Telecom	Online	PH
	HKIGF 2021 (Internet Censorship)	Online	HK
	SWITCHSEA Welcome Event	Online	AP
	PITA Exposition & Business Forum	Online	FJ
	35th TWNIC IP OPM	(Hybrid) Taipei	TW
	2nd ICANN APAC-TWNIC Engagement Forum 2021	(Hybrid) Taipei	TW
	PCTA e-Tech Show (Convention) 2021	Online for PH	PH
	Live eTutorial: Introduction to Suricata Intrusion Detection System	Online	AU
	Webinar: Demystifying ASO	Online	
	Office Visit	Brisbane	AU
	PNG 2021 ICT Summit and Expo	Port Moresby	PG
	IPv6 Deployment live eTutorial	Online for CN	CN
	Table Top Exercises for FIRST Fellowship Teams	Online	Global
	Securing Internet Routing with Resource Key Public Infrastructure (RPKI) - PCTA	Online for PH	PH
	Webinar: Datacentre Power Systems and solutions	Online	AP
	Talk: Securing the Internet Routing	Online	PH
	FIRST Cyber Threat Intelligence (CTI) Summit 2021	Online	US
	Connectivity Capital Deep Dive: Hybrid Fiber/RF for Creative Deployments	San Francisco	US
	Marshall Center APCSS 2021	Online	DE
	Philanthropy Australia National Conference 2021	Online	AU
	EC induction 14 April '21	Brisbane	AU

5	APNIC 52 Online Fellowships - IPv6 Fundamentals	Online	AU
	APNIC 52 Online Fellowships - Network Security Fundamentals	Online	AU
	Webinar: What to Expect in a Cyber Security Assessment	Online	AP
	BKNIX Peering Forum 2021	(Hybrid) Bangkok	TH
	APT WTDC21-3 Preparatory Meeting	Online	AP
	WSIS Forum 2021	Geneva	CH
	WTPF 2021 (ITU World Telecommunication/ICT Policy Forum)	Geneva	CH
	ThaiNOG 3	(Online) Bangkok	TH
	28th Meeting of the ITU Telecommunication Development Advisory Group (TDAG-21)	Online	CH
	LACNIC 35	Online	MX
	RIPE 82	Online	DE
	ITU 2nd Interregional Meeting for WTDC-21	Online	CH
	Digital Transformation - Opportunities for The Downs & South West Region (ACS)	Toowoomba	AU
	Live eTutorial: BGP TE Techniques (2 Parts)	Online	AU
	Live eTutorial: IPv6 Security	Online	AU
	Live eTutorial: BGP OpSec BCP	Online	AU
	Live eTutorial: TLS/SSL	Online	AU
	DNS-OARC 35	Online	US
	Global Digital Development Forum	Online	US
	ELT Quarterly Strategic Meeting	Brisbane	AU
	Telemars Engagement at APNIC	Brisbane	AU
	5th Meeting of the Informal Experts Group for ITU WTPF-21 (IEG-WTPF-21)	Online	CH
	AusCERT 2021 Conference	Gold Coast	AU
	Live eTutorial: Cyber Security	Online	AU
	AIS'21	Online	MU
	Live eTutorial: OpenFlow	Online	AU
	ThaiNOG eTutorial: IPv6 Protocol Architecture & Address Planning	Online for TH	TH
	Stockholm Internet Forum 2021 - SIDA	Online	SE
	Live eTutorial: Cyber Security	Online	AU
	NMM - Tonga - Pacific Technical Training Project	Online	TO
	Live eTutorial: DNSSEC Fundamentals	Online	AU
	Conference talk: RPKI status in Thailand	Online for TH	TH
	Webinar: Anycast service deployment	Online	AP
	Live eTutorial: Securing Internet Routing with RPKI	Online TWNIC	TW
	BTCIRT Community Workshop 2021	Online	BT
	ICANN DNS Symposium 2021	Online	US

Table 12: Events attended

Agenda Item 10

APNIC Foundation annual report

Foundation Annual Report

EC meeting (On-line)

21-22 June 2021

Duncan Macintosh

Foundation CEO

Agenda



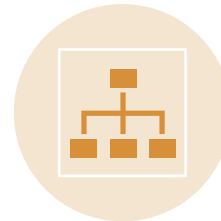
**Board
nomination and
meeting**



**Staffing and
administration**



Overview



**Project updates
and risk**



2021 Priorities



**Strategic
Planning**

2021 Key Points*

- 1 2021 Board meeting(s) successfully held. New Board member proposed
- 2 7 dedicated staff including first Finance and Business Manager (up from 2 last year)
- 3 AFA has received USD5,497,647 – 60 per cent first tranche of APIDTT grant agreement
- 4 AFHK projects will finish at the end of 2021. New projects will be developed
- 5 Foundation is managing a funded portfolio of 12 programs, projects and activities and no longer depends on APNIC funding

**This report covers two Foundations but we operate as one Foundation.*

[Confidential information redacted]

❖ [Confidential information redacted]

❖ [Confidential information redacted]

❖ [Confidential information redacted]

Staffing and Administration

Staffing

Foundation staff

Five new Foundation positions (seconded from APNIC)

1. Grants management lead (4 days)
2. Monitoring and evaluation lead (3 days)
3. Administration officer (F/T)
4. Finance and Finance manager (F/T)
5. Comms (3 days – July 1)

Total Foundation positions: : **7**
(including CEO and Head of Programs)

Operations and Administration

1. AFA finance system (NetSuite) up and running (same as AFHK)
2. AFA governance policies in place (same as AFHK)
3. Grant management system (Fluxx) in place. ISIF Grants launched!
4. Monitoring and Evaluation processes being developed for all projects

Overview

The APNIC Foundation

Incorporated:

- * In Hong Kong in September 2016
- * In Australia in December 2020

First grant funding:

- * Received in July 2017
- * Fourth anniversary this July

The APNIC Foundation

Total funds raised (not received) as of May 2021:

USD 11,129,065

AFHK: 1,966,320

AFA: 9,162,745

Overhead raised (to support operational costs):

USD 1,419,795

AFHK: 295,350.00

AFA: 1,124,445;

USD 437,000 provisional budget for 2021 approved by APNIC EC
(provisional, as needed support for salaries, travel and professional fees)

Project Updates

AFHK projects

SWITCH SEA*



Australian government



Cambodia, Thailand, The Philippines and Viet Nam



\$336,000 (2020 - 2021)



Training and mentoring to support professional and leadership development for 72 women and LGBTQI+ network engineers

ได้รับ แพคเกจ แล้วนะคะ ^^ ประทับใจเลยคะ
มีแรงเรียนเลย :P

Dj rəb phækh kec læw na kha ^^ prathəbci ley kha mī ræng reīyn ley:P



57 / 5000

I have received the package ^^ I'm very impressed. I have energy to study :P

image.png ▼



* Supporting Women Leaders in Internet Research in Southeast Asia

Pacific Technical training



Australian government



Fiji, Solomon Islands, Tonga
and Vanuatu



\$336,000 (2019 - 2021)



Technical training and assistance
activities to reduce national-level
network inefficiencies and improve
Internet connectivity

*“Dear Tashi, Warren,
Dave, Fakrul and the rest
of the APNIC Training
Team,*

*On behalf of the CEO for
the Ministry of MEIDECC,
thank you very much for
the informative and
valuable training this
week that have benefited
our engineers and I am
sure will go a long way in
improving the availability
and performance of our
infrastructures and
ultimately the users, the
people of Tonga. We look
forward to more similar
trainings in the near
future.”*

ISIF Asia – Launched!



APIDTT



Asia Pacific



\$1,250,000



ISIF Asia call for grant proposals open from 3 June to 19 July. Including the IPv6 deployment grants and the ISIF Asia Awards, USD 1.7M will be allocated during the 2021 funding cycle.

AFA projects

ISIF Asia - IPv6



APIDTT



Asia Pacific



\$1,000,000



Increased deployment and use of IPv6 best practice
by network operators in the Asia Pacific

M-Root Deployment



APIDTT



Asia Pacific



\$770,000



Deployment of M-root servers in Guam, Hanoi, Kaohsiung, Manila, and Dhaka are progressing.

APNIC Academy



APIDTT



Asia Pacific



\$900,000



Bengali language support and Mongolian subtitles added to online courses; integration of online training systems scheduled to begin in Q3. MVP (Minimum Viable Product) of Online Technical Assistance Platform scheduled for launch in Q3.

Local Community Trainers Network



APIDTT



Asia Pacific



\$445,000



24 active Community Trainers with four additional candidates interviewed and shortlisted. 21 from 12 economies engaged for 34 instructor-led online training events.

Training delivery



APIDTT



Asia Pacific



\$652,000



January to May 2021: 54 courses delivered; 1,084 attendees; 9 webinars (3 external/guest speakers) / 532 attendees

Curriculum development for non-technical audiences



APIDTT



Asia Pacific



\$500,000



A team of instructional designers has been appointed.
The project is in the analysis and requirements gathering phase.

AFA projects

Asian Internet Interconnection Initiatives (AI3) and School of Internet Asia (SOI)



APIDTT



Asia Pacific



\$2,276,300



Development of Network Engineering course and wide area Internet education platform utilizing satellite technologies and leading edge technologies for the Internet

AFA projects

Sponsorships and contributions



APIDTT



Asia Pacific



\$250,000



Sponsoring the IP Journal and supporting community events and activities

Projects under development

University Network Training



Uncertain for 2021 (previously Myanmar)



KDDI Foundation (Japan)



Myanmar



To be determined



Full cost recovery for APNIC

APIDTT projects for 2022



Project development will begin in Q2



APNIC and other project partners



Asia Pacific focus



To be determined but AFA will seek similar funding to 2021



Project implementation to start in January 2022

Project and funding development - ongoing

- U.S. State Department/USAID - Pacific
- Asia Development Bank (ADB) - Satellites
- Asia Infrastructure and Investment Bank (AIIB) - Connectivity
- World Bank - Afghanistan

Risk management

1. Risk registry under development
2. Risk management processes in place.

Funding going to:

- Established and trusted partners: APNIC, Keio university and JPRS.
- Successful and recognised programs: ISIF Asia; APNIC training; M-root deployment.

2021 priorities

Project management and implementation

- Documentation, monitoring, evaluation and reporting
- Budgetary control
- Project platform management and use (Fluxx, Confluence)

Operational development

- Financial systems and oversight
- Operational platform management and implementation (NetSuite, Expensify, DocuSign, SharePoint)
- Staffing

Fund raising

- Proposal development including improved budgeting
- Donor engagement (in a COVID environment)
- Focus on philanthropy (but also govt opportunities)

Strategic Planning

Vision: To have a global, open, stable and secure Internet that is affordable and accessible to the entire Asia Pacific community.

Mission: To increase investment in Internet development in the Asia Pacific region, through education and training, human capacity building, community development, research, and related projects and activities.

Strategic planning session for Q3:

- 1) Confirm the vision and mission
- 2) Confirm focus on the strategic pillars of Inclusion, Infrastructure and Knowledge
- 3) Confirm existing strategic initiatives and propose new ones
- 4) Confirm fund-raising focus on government/development sector; philanthropy; the private sector

Questions?

Affirmation of Commitments between APNIC and APNIC Foundation

Date

Parties

This Affirmation of Commitments is made between:

- A. APNIC Pty Ltd ACN 081 528 101
for and on behalf of the Asia Pacific Network Information Centre
of 6 Cordelia Street, South Brisbane, Queensland, Australia
(**APNIC**);
- and
- B. APNIC Foundation Limited ACN 646 643 156
of 6 Cordelia Street, South Brisbane, Queensland, Australia
(**AFA**),
- and
- APNIC Foundation Limited
a company incorporated in Hong Kong with its registered office located at
21st Floor, Edinburgh Tower, The Landmark, 15 Queens's Road Central, Hong
Kong
(**AFHK**)
- (AFA and AFHK collectively, **APNIC Foundation**)

Background

1. APNIC Foundation, comprised of its constituent corporate entities, AFA and AFHK, was formed by APNIC to further its efforts to support training, capacity building and other Internet development activities in the Asia Pacific region.
2. In this document:
 - a. a right given to APNIC Foundation is a right given to both AFA and AFHK; and

- b. an obligation of APNIC Foundation is an obligation of either AFA or AFHK, or both of them, at the election of AFA and AFHK on a case-by-case basis.
3. APNIC is the sole member of both AFA and AFHK.
4. This document sets out the commitments that each party makes to the other party for the provision of funding and other resources by APNIC to APNIC Foundation.
5. This document replaces and supersedes any previous Affirmation of Commitments entered into between the parties or a subset of the parties.

Mutual Objectives

6. APNIC declares its intention and commitment to ensure that the ongoing objectives and activities of APNIC Foundation, as set out in APNIC Foundation's respective constituent documents, are fully supported.
7. The parties envisage that, over time, APNIC Foundation will become self-funded, and its reliance upon APNIC to provide financial and other resources to enable the APNIC Foundation to carry out its objectives and activities, should diminish over time.
8. The parties acknowledge that with APNIC's technical, resourcing, and administrative capability it is uniquely suited to assisting APNIC Foundation in the delivery of its programs in the Asia Pacific region.
9. APNIC is committed to assisting and supporting APNIC Foundation in accordance with the terms of this document.

Commitment to funding and other support

10. APNIC commits to ensure that, where alternative sources of funding are not procured or available to APNIC Foundation, APNIC Foundation will have the funding described in clause 11 below, for the period up to 10 years starting from the date of this document (**Funding Period**). APNIC also commits to provide a minimum of two years notice of any substantial change to its willingness to fund and support the APNIC Foundation.
11. The funding referred to in clause 10 above will comprise:
 - a. the salary and other on-cost of employing such number of APNIC Foundation's staff members as agreed between the parties, who may be employed by APNIC and seconded to APNIC Foundation (or as otherwise agreed between the parties);

- b. operational overheads up to an amount approved annually by the APNIC Executive Council as part of the APNIC budgetary approval process;
- c. on a project-by-project basis as agreed between the parties, APNIC will assist APNIC Foundation with respect to the initial costs of delivering those projects until such costs are reimbursed by the donors; and
- d. such other funding or variation of the aforementioned funding as agreed between the parties from time to time,

with the intention being that where alternative funding is available, the funding provided by APNIC under this clause 11 will be reimbursed on a cost recovery basis at such time as agreed between the parties.

12. The parties envisage that over the Funding Period, APNIC Foundation will increasingly rely on funding from parties outside of APNIC, and eventually become self-funded. APNIC Foundation will seek, to the extent appropriate and reasonable, donors to fund APNIC Foundation's operational expenses and the delivery of projects that meet APNIC Foundation's objectives.

13. The parties acknowledge and agree that:

- a. any amounts provided by APNIC to APNIC Foundation will be on an interest free basis; and
- b. the repayment by APNIC Foundation of costs incurred by APNIC for the benefit of APNIC Foundation pursuant to this document, including in respect of completing works as subcontractor to APNIC Foundation, will be without markup and only on a cost recovery basis,

such that APNIC will not derive a profit from the relationship between the parties.

Subcontracting and cost recovery

14. Where appropriate and reasonable to do so and as agreed between the parties, APNIC Foundation will engage APNIC as a subcontractor to:
- a. provide APNIC Foundation with staffing and other resources to assist APNIC Foundation in delivering its projects; and
 - b. assist in the design, implementation, management, and maintenance of certain projects funded by APNIC Foundation.
15. Unless otherwise agreed between the parties, where APNIC is engaged as a subcontractor by APNIC Foundation pursuant to clause 14 above, the following terms will apply:

- a. **(project)** the parties will agree on the scope of works, deliverables, timeframes, and budget (**Project Specifics**) for each project or part thereof being subcontracted to APNIC (**Subcontracting Project**);
- b. **(performance)** APNIC will complete the subcontracting works in accordance with the Project Specifics;
- c. **(documentation)** APNIC will provide such information as required by APNIC Foundation to fulfil its reporting obligations but will not assume responsibility for those obligations;
- d. **(cost recovery)** APNIC will invoice APNIC Foundation on a cost recovery basis for all costs incurred in performing and adhering to the Project Specifics for each Project;
- e. **(intellectual property)** each party:
 - i. agrees that all intellectual property rights developed in the course of performing the Subcontracting Project (**Project IP**) will be owned and vest in:
 - A. the party that performs such work; or
 - B. where APNIC further subcontracts the performance of the Subcontracting Project, APNIC as the main subcontractor;
 - ii. agrees, where reasonable to do so, to make the Project IP available under a Creative Commons Attribution-ShareAlike License; and
 - iii. grants to each other party a worldwide, non-exclusive, royalty free, irrevocable, non-transferrable license to the Project IP.

Commitment to accountability

16. For so long as APNIC continues to provide funding or other resources to APNIC Foundation for its projects and activities under this document, clauses 17 to 21 below will apply.
17. APNIC Foundation will, on an annual basis by 1 December each year, submit its annual strategic plan for the following year to APNIC for its guidance and approval.
18. APNIC Foundation will, at the end of each quarter in each calendar year, submit its operational and activity report for that quarter to APNIC for its approval.
19. APNIC Foundation will, within 30 days after each meeting of its board of directors, provide APNIC will a copy of the minutes of the directors' meeting.

20. APNIC Foundation will, to the extent permissible by law in the jurisdictions in which it is incorporated, adopt and observe all appropriate staffing, governance and financial policies and processes in the interests of good governance and to meet the requirements of laws which apply to it and the reasonable requirements of its donors.
21. APNIC Foundation commits to have its annual financial statements audited by a firm of auditors acceptable to APNIC.

Commitment to collaboration, cooperation and support

22. APNIC and APNIC Foundation are committed to maximizing collaboration, cooperation and mutual support between the parties.
23. To achieve the objectives, set out in clause 22 above, the parties are committed to regular meetings at management level to ensure that there is regular open, transparent and productive communication between the parties.
24. Specifically, APNIC is committed to cooperating with the APNIC Foundation by providing training, technical assistance and other support as agreed with APNIC Foundation in the development of its projects and activities in accordance with clauses 10 to 15 above.
25. In turn, APNIC Foundation is committed to cooperating with APNIC's development activities in supporting its efforts to provide training, technical assistance and other services to APNIC's members and the Asia Pacific Internet community.

Key personnel

26. For so long as APNIC continues to provide funding and other resources to APNIC Foundation or engages employees for the benefit of APNIC Foundation for its projects and activities under this document, clauses 27 and 28 below will apply.
27. APNIC and APNIC Foundation agree that the following are the key personnel for APNIC Foundation:
 - a. CEO/Executive Director;
 - b. Head of Programs; and
 - c. such other persons who may, from time to time, occupy senior executive positions within the APNIC Foundation.
28. APNIC Foundation may not:
 - a. remove or dismiss any key personnel;

- b. change the position designation of any key personnel; or
 - c. make any new appointment or replace any key personnel,
- without the prior written consent of APNIC.

Designated contact persons

29. For the purposes of all communication under this document, unless otherwise agreed between the parties, the designated contact person:
- a. for APNIC – is its Director-General; and
 - b. for APNIC Foundation – is its CEO.

No partnership or agency

30. This document does not create any partnership, agency, association, employment, or any other fiduciary relationship.
31. This document does not give any party, any authority to act as agent for, or on behalf of, or to represent or bind the other party in any manner.

Status of this document

32. The parties record their mutual intention that this document serves as a non-binding record of their understanding.
33. This document does not create any enforceable obligations under law.

Duration and amendments

34. This document is intended to have effect for the Funding Period, whilst APNIC funds and supports APNIC Foundation in the manner set out in this document.
35. The parties can modify this document by recording any such modification in writing signed by both parties.

Signatures

For APNIC Pty Ltd
ACN 081 528 101:

For APNIC Foundation Limited
ACN 646 643 156:

.....
(Signature)

Name:
Title:

.....
(Signature)

Name:
Title:

For APNIC Foundation Limited (Hong
Kong):

.....
(Signature)

Name:
Title:

Agenda Item 12

APIDT update

APIDT Update

APNIC EC meeting, 21 June 2021

CONFIDENTIAL

Sale Process/Status

- Stage 1, May/Jun 2020: 43/9
 - Completed, sold to Alibaba, Singapore
- Stage 2, Aug 2020: 43.128/10
 - Completed, sold to Tencent, China
- Stage 3, Sep 2020: 43.192/11
 - Completed, only 2 blocks sold, to NEC and Line (JP)
- Stage 3B, Jan 2021: remainder of 43.192/11
 - Private sale(s) following completion of open tender process
 - Signed, in 2 tranches: /12 and /13+/14+/15
 - First tranche transferred this week.
- Sale Proceeds
 - Not yet announced
 - Final proceeds of USD \$400M

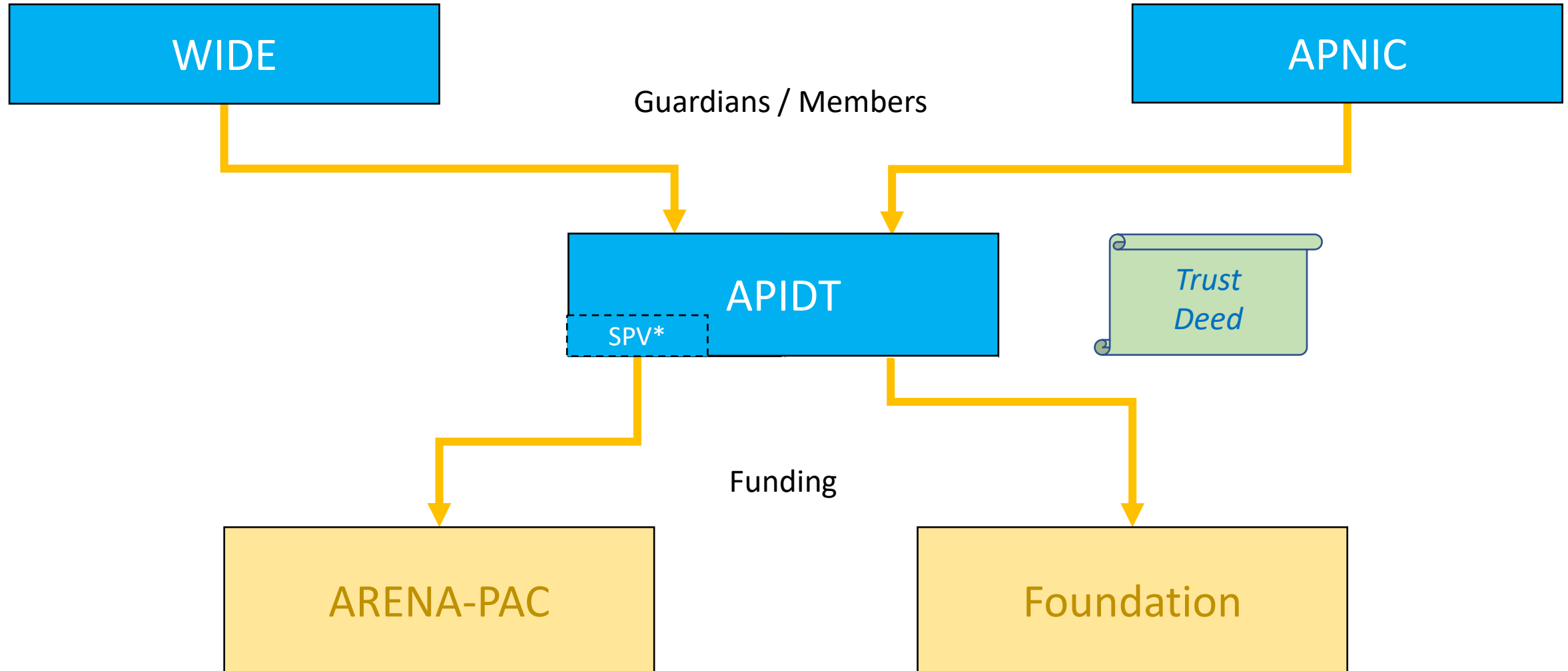
Financial Oversight

- Independent Oversight
 - Investment Advisory Committee (IAC): Expert advice to Board
 - Review/recommend Investment policy, strategy, activity
- IAC Status
 - Oki Matsumoto, JP (Chair), Andrew Page, AU
 - Quarterly IAC meetings underway
 - Initial evaluation of investment options
 - Next focus: formal investment policies
- Investments
 - Now established in Credit Suisse managed fund
 - USD \$350M transferred in May (4 tranches)
 - Investments established in June (3 tranches)
- New CFO appointed
 - Richard Brown, from 1 July 2021

Status of Investment Fund

- Investments
 - Now established in Credit Suisse managed fund
 - USD \$350M transferred in May (4 tranches)
 - Investments established in June (3 tranches)
- Current distribution
 - \$ 40M (11.37%) in Liquidity & Similar Investments
 - \$218M (61.95%) in Fixed Income & Similar Investments
 - \$ 94M (26.68%) in Equities & Similar Investments
 - \$352M total approx.
- IAC will oversee fund and guide future directions
 - According to Investment Policy (TBD)

Funding in 2021



APIDT Infrastructure

Certificate of Registration of a Company

This is to certify that

APIDT INFRASTRUCTURE PTY LTD

Australian Company Number 644 451 150

is a registered company under the Corporations Act 2001 and
is taken to be registered in Queensland.

The company **is limited by shares.**

The company is a **proprietary** company.

The day of commencement of registration is
the eighteenth day of September 2020.



ASIC

Australian Securities & Investments Commission

CERTIFICATE



Arterial Research and Educational Network in Asia-Pacific

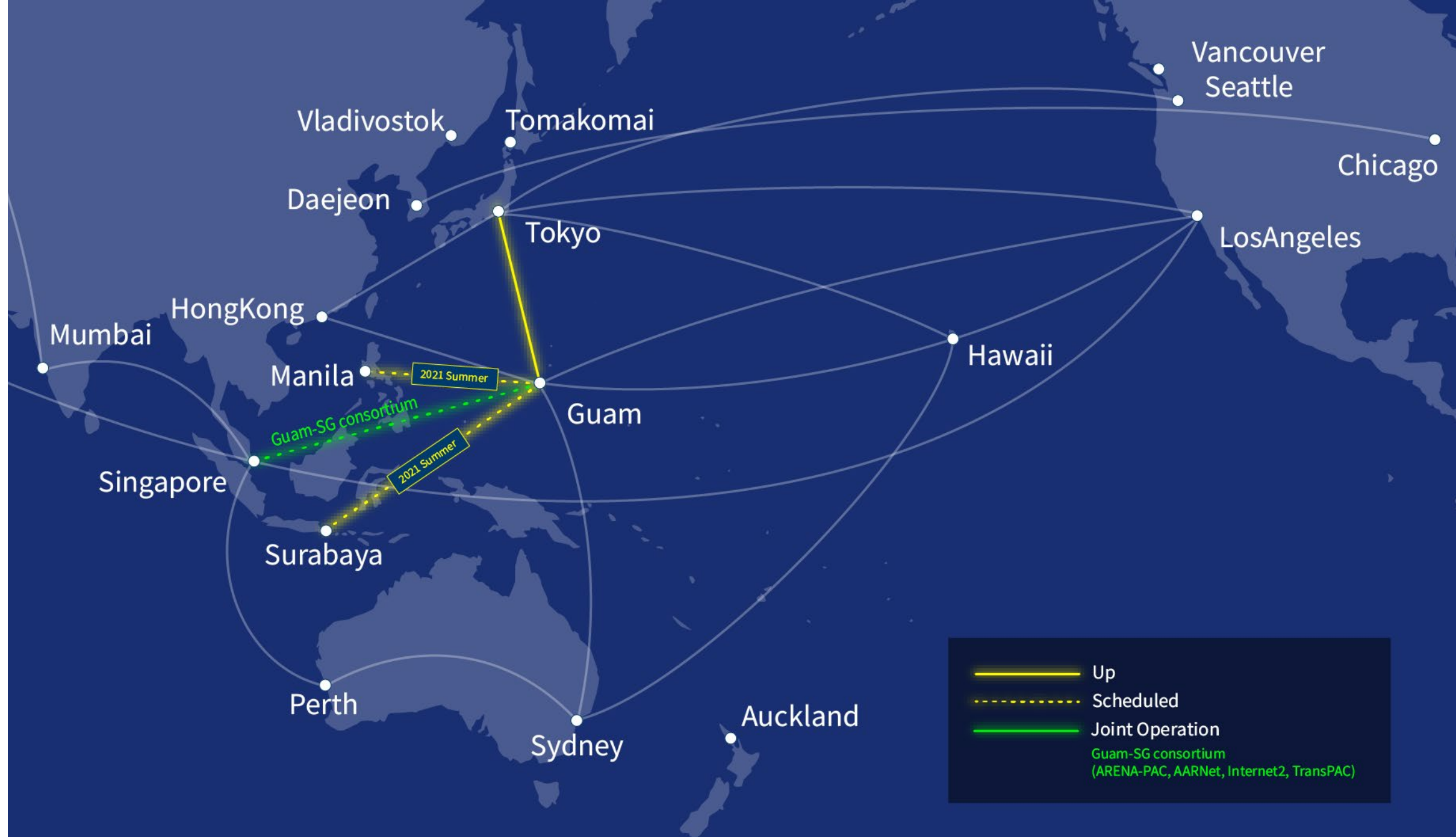
ARENA-PAC is a new regional backbone network of high-capacity international submarine cable circuits, serving NRENs at multiple locations in the Asia Pacific. It will comprise several long-term IRU circuits, of 10 and 100Gbps, between a central exchange point in Guam and sites in Tokyo, Philippines and Indonesia. All circuits will be leased from regional cable companies including RTI Cables and others.

ARENA-PAC is a project of APIDT Infrastructure Pty Ltd, and operated by WIDE Project.

[VIEW MORE](#)**WIDE**
PROJECT

ARENA-PAC

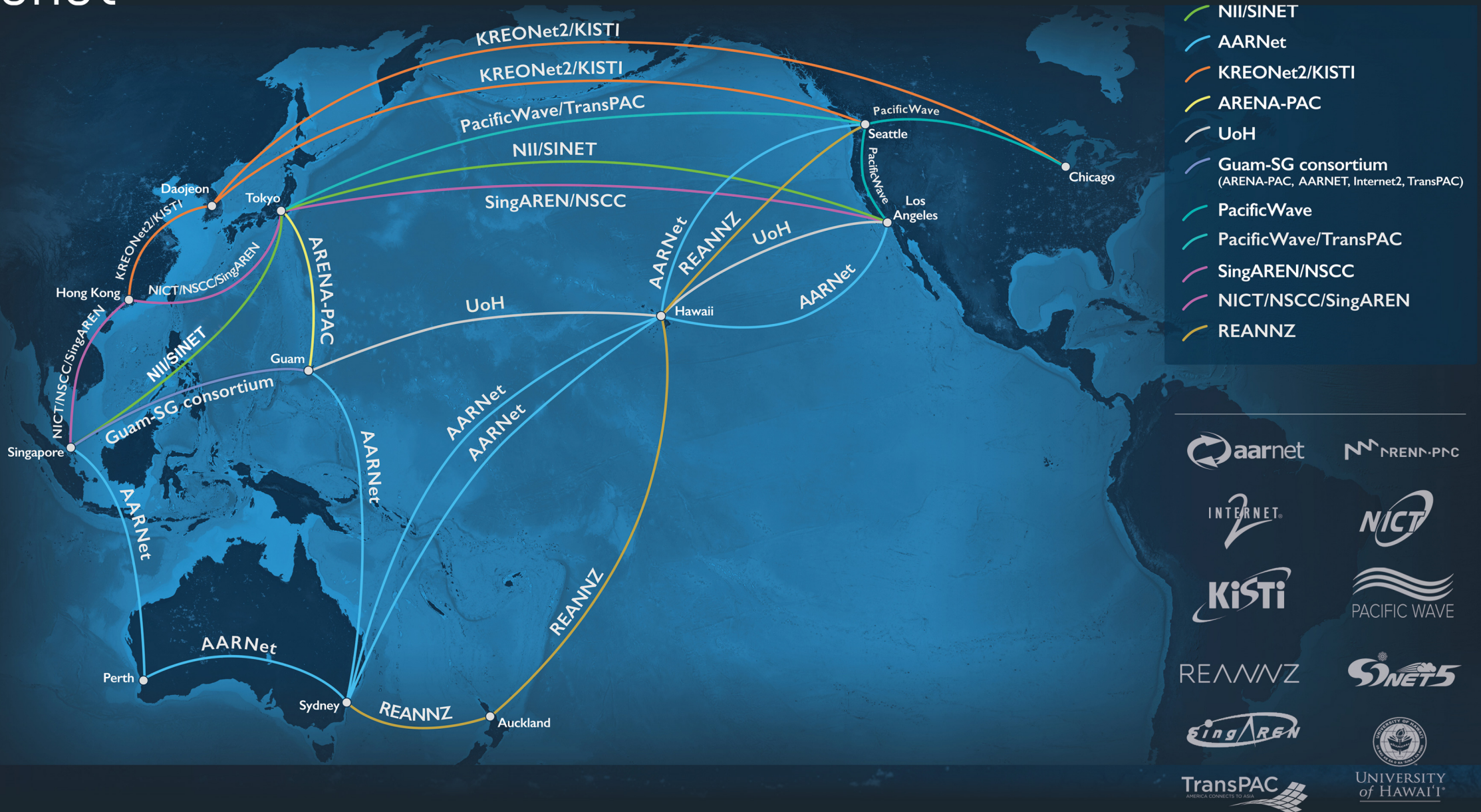
- Project of APIDT Infrastructure
 - Arterial Research and Education Network in Asia-PAC
 - <https://arena-pac.net>
- Group of circuits centred on GOREX in Guam
 - GU-JP 100G 15-year IRU (Indefeasible Right of Use)
 - Next: GU-SG (Consortium led by Internet2)
 - Later: GU-PH, GU-ID
- MoU with APNIC
 - For access to ARENA-PAC network for expanded regional presence
 - Under development
- MoU with APONET
 - 11-member REN consortium
 - Signed 16 June 2021
- APNIC contact: Che-Hoo Cheng





<https://www.aponet.global/>

aponet ASIA PACIFIC OCEANIA NETWORK (APOnet)



APNIC Foundation 2021

- Grant agreement signed in Feb 2021
 - 8 projects, total funding provision USD 8,038,300
 - APNIC involved in 5 projects (total budget AUD 4,667,000)
- "Overhead" funding model
 - Variable percentage of project funding
 - Total provision of USD 1,124,445 (additional)
- APNIC continues to host/support
 - Office and facilities, ~1.5 FTE of staff support
 - Reduced financial burden, as planned
 - Continued "underwriting" obligation
 - Budget provision \$565,518, but not projected for spending
- More to come from Foundation directly..

Questions?

Agenda Item 13

Election at APNIC 52

Election Procedures 2021 at APNIC 52

NRO Number Council (NC)
Special Interest Groups (SIGs)
IANA Review Committee (RC)

NRO Number Council (NC) Election Procedures

NRO NC Election 2021

- One vacant seat on NRO NC
 - Two-year term from 1 January 2022 to 31 December 2023
- Call for nominations
 - Open from 9 June to 9 August 2021
- Nominees must meet the following two eligibility criteria:
 - Registered for APNIC 52 by 10:00 (UTC +8), Tuesday, 14 September 2021, **AND**
 - Registered and attended at least one of the eight previous APNIC conferences (APNIC 44 – 51)
- Online voting available to both APNIC Members and APNIC 52 conference attendees who meet the voting criteria
 - Via APNIC Login
- See: <https://conference.apnic.net/52/elections/nc-election/about/>

APNIC Member Voting

- APNIC Member is entitled to one vote, as an organization
- Corporate Contacts and Contacts with voting rights can vote using the BigPulse voting system
- Voting period
 - Starts: 12:00 (UTC +8), Wednesday, 1 September 2021
 - Ends: 14:00 (UTC +8), Thursday, 16 September 2021

Eligible Meeting Attendee Voting

- Each eligible APNIC 52 attendee is entitled to one vote, as an individual
- Attendee who meets the following eligibility criteria can vote using the BigPulse voting system:
 - Registered for APNIC 52 by 10:00 (UTC +8), Tuesday, 14 September 2021, **AND**
 - Registered and attended at least one of the eight previous APNIC conferences (APNIC 44 – 51)
- Voting period
 - Starts: 11:00 (UTC +8), Thursday, 16 September 2021
 - Ends: 14:00 (UTC +8), Thursday, 16 September 2021

SIG & IANA RC Election Procedures

SIGS & IANA RC Elections 2021

- Same nomination and attendee voting criteria as the NRO NC election
 - Nominees and APNIC 52 conference attendees must meet the following two eligibility criteria:
 - Registered for APNIC 52 by 10:00 (UTC +8), Tuesday, 14 September 2021, **AND**
 - Registered and attended at least one of the eight previous APNIC conferences (APNIC 44 – 51)
 - Online voting via APNIC Login
- Call for nominations
 - Open from 6 August to 6 September 2021
- Voting period
 - Started: 12:00 (UTC +8), Wednesday, 14 September 2021
 - Ends: 14:00 (UTC +8), Thursday, 16 September 2021
- See:
 - <https://conference.apnic.net/52/elections/sigs/about/>
 - <https://conference.apnic.net/52/elections/iana-rc/about/>

Announcement of Election Results

Declaration of Results

- At the close of voting, the Election Officers will hold an online meeting with the Scrutineers, download all the election results and email the results to the Election Chair in the presence of the scrutineers
- The election results will be announced at 15:00 (UTC +8) on Thursday, 16 September 2021
- The Election Chair will also disclose:
 - Notice of any disputes and resolutions
 - Disclosure of any communication from the Election Scrutineers regarding any anomaly or issue

Declaration of Results (example)

Rank	Candidates	Votes
1	Candidate B	299
2	Candidate D	200
3	Candidate C	111
4	Candidate A	41
	Total votes	651

- Same format as NC election during APNIC 50

APNIC

Poll Result

APNIC 50

Report date: Friday 11 September 2020 17:09 AEST

NRO Number Council Election 2020

As at Poll close: Thursday 10 September 2020 15:30 AEST

Number of voters: 462 (462 weighted)

Vote counting method: V1 FPTP (first-past-the-post)

Ranked by votes

Rank	Candidate	Votes
1	Shubham Saran	188
2	Md. Shuzanur Rahman	185
3	Nicole Chan	76
4	Jeffery Garae	9
5	Venkata Ramanan (withdrawn)	4
Total votes:		462

Results generated by [BigPulse Online Voting](#)

Election Chair

- Xxx as Election Chair
 - Appointed by the APNIC EC
 - Independent from any APNIC Member, or candidate
 - Has no interest in the election results
- Responsibilities:
 - Oversee the election process
 - Appoint the Election Scrutineers
 - Declare the election results
 - Resolve disputes

Election Officers

- Andre Gelderblom and Connie Chan (NRO NC)
- Sunny Chendi (SIGs & IANA RC)
 - Appointed by the APNIC EC
 - Selected from APNIC Secretariat staff
- Responsibilities:
 - Administer the call for nominations
 - Manage the voting processes
 - Retrieve the online voting results
 - Report the results to the Election Chair
 - Answer queries from Members and voters

Election Scrutineers

- (Add names here)
 - Appointed by the Election Chair
 - Selected from staff of Internet organizations such as RIRs, ICANN, and ISOC who are present at the conference
 - Do not vote and must be independent from any APNIC Member, or candidate
- Responsibilities:
 - Observe the downloading of election results by the Election Officers
 - Notify the Election Chair in case any anomaly or issue is identified

Notice of Dispute

- Any complaint regarding the conduct of the election must be lodged in writing with the Election Chair and be lodged no later than one hour before the scheduled Declaration of the Election
- Notices may only be lodged by Nominees or Members through their authorized voting representatives by email to election-chair@apnic.net
- The Election Chair shall resolve the dispute at his discretion

Questions?

Agenda Item 14

APNIC office space update

APNIC Office Future

June 2021

Contents

- Current status
 - Staff vs desks
 - Floor area, Maximum capacity
- Refurbishment study
- Refurbishment vs other options
- Recommendations

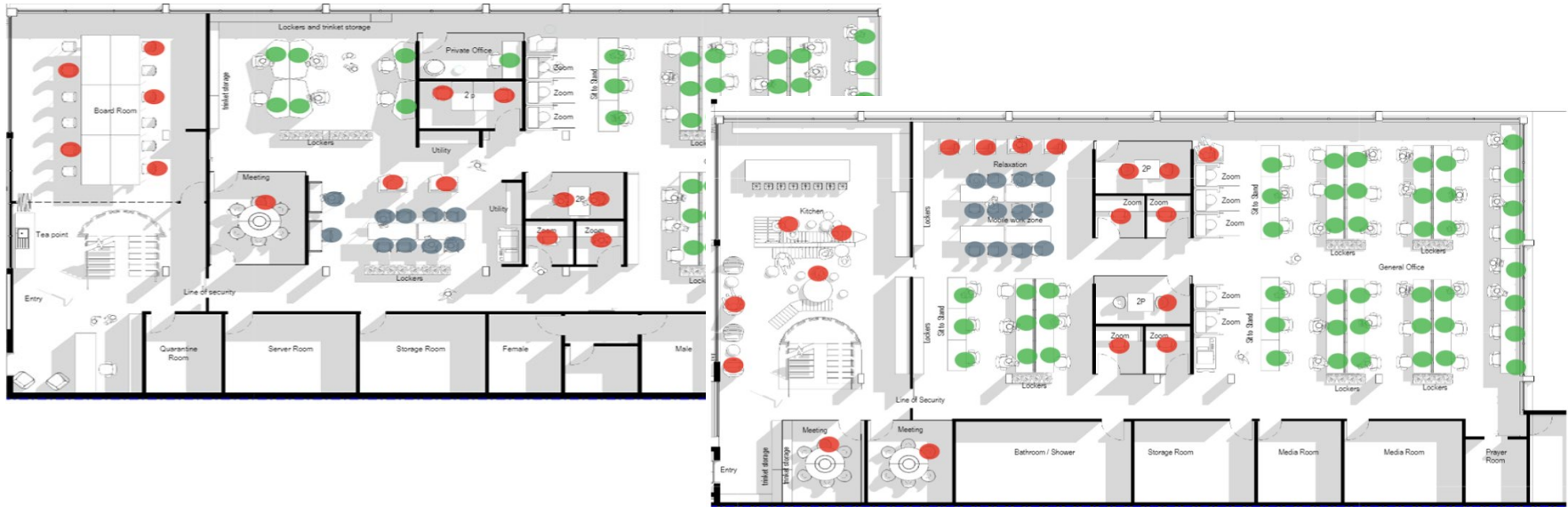
Current Status

- Staff vs Desks
 - 6 Cordelia originally designed for max 81 staff
 - With Foundation staff and projects now 100+
- Floor Area
 - 1250m² over 2 floors
 - More workstations added, but shortages in meeting rooms and desks
 - All staff meetings now too big for kitchen/common area

Refurbishment study 2021

- Stage 1: Feasibility
 - Brief
 - Capacity - Test fit
- Stage 2: Expansion of the current facility
 - Maximise floor space
 - Include Outdoor space
 - Locate stairs and lift outside
 - End of Trip facilities
 - Town planning requirements
 - Engineering limitations/opportunities

Capacity – Test Fit



Individual work-spaces – $56+66 = 112$

Collaborative work-spaces – $10+12 = 22$

Total work-spaces – $66+78 = 144$

● WORK SPACE (41)

● WORK ZONE (10)

● ALL STAFF DAYS (15)

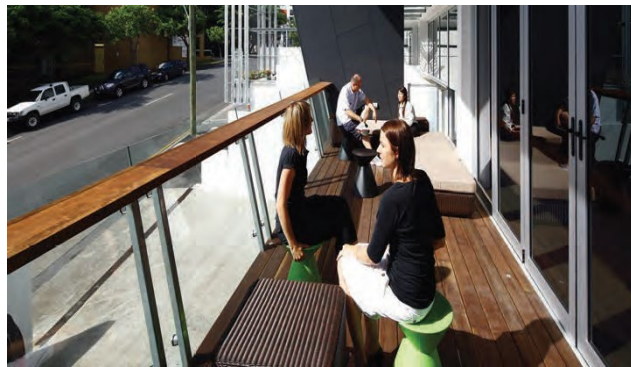
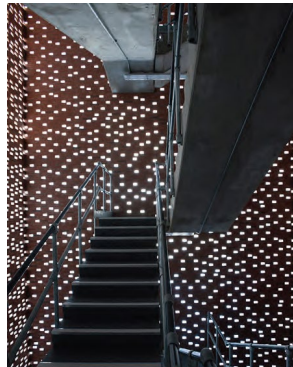
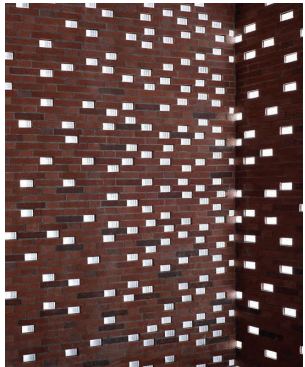
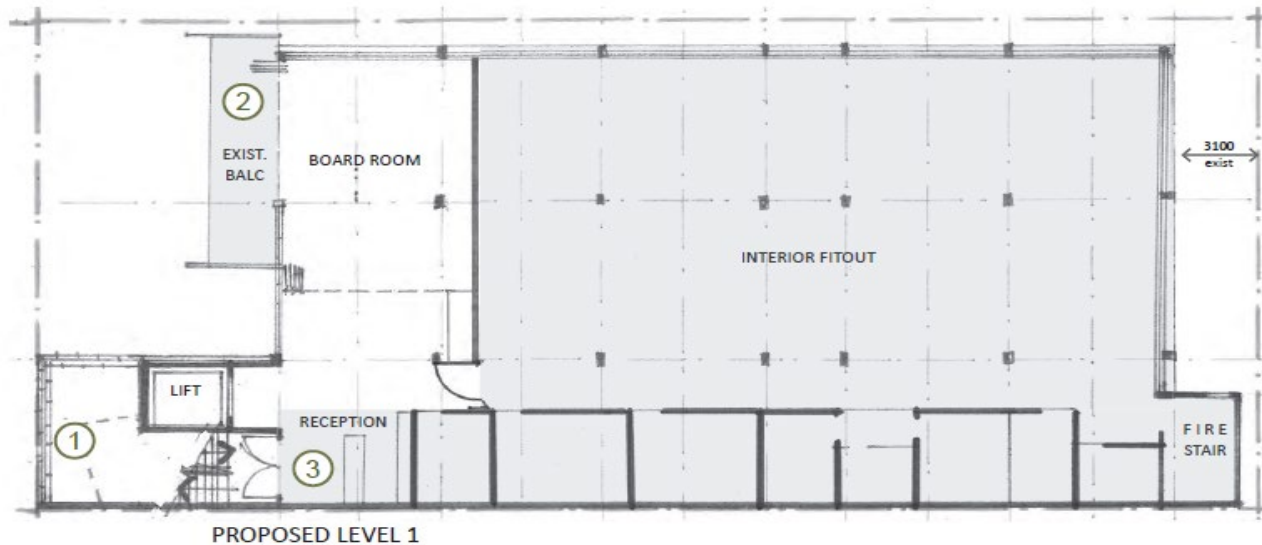
*all workspaces have been accommodated as a 1500w x 800d desk module

Study Option – Perspective



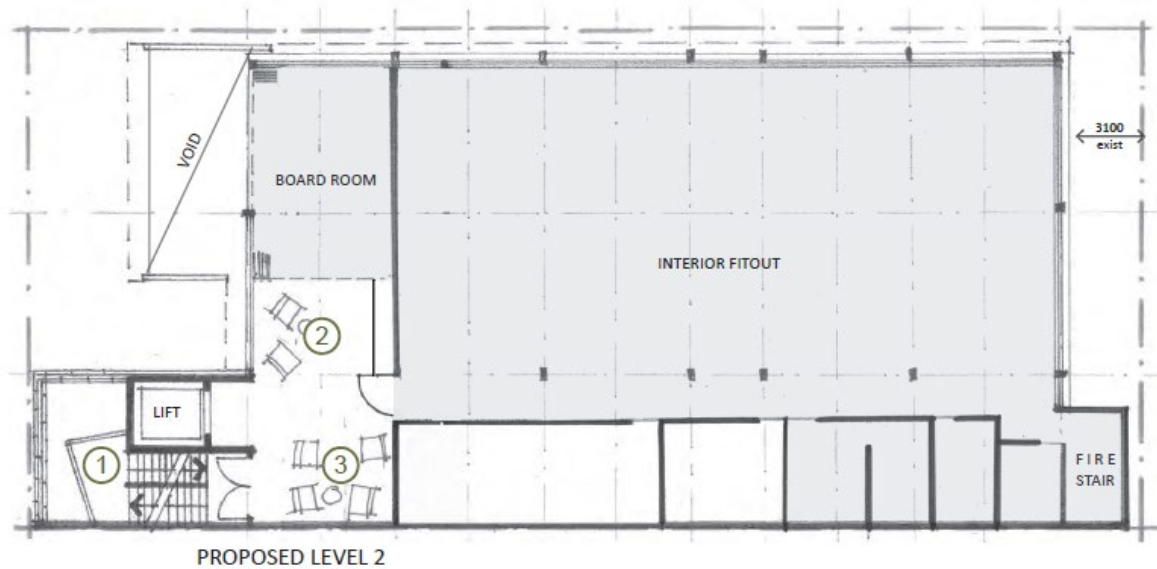
Ground floor – Perspective

ENTRY FLOOR - OPTION 1 REFERENCE IMAGES

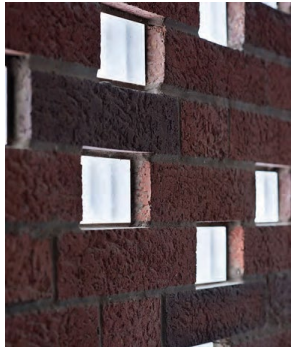


First Floor – Perspective

UPPER FLOOR - OPTION 2 REFERENCE IMAGES

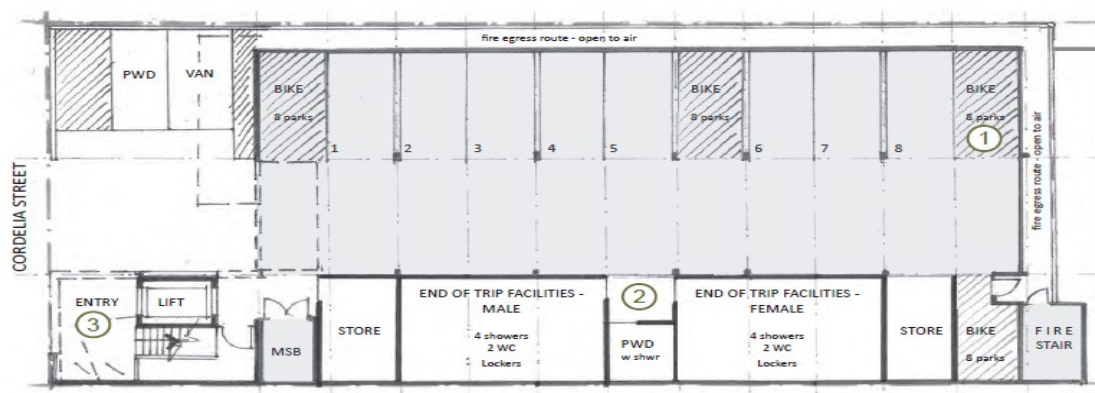


PROPOSED LEVEL 2

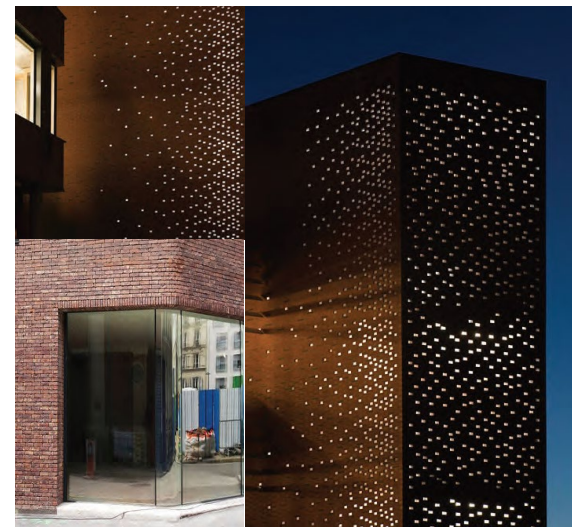


Basement – Perspective

ARRIVAL + CARPARK - REFERENCE IMAGES

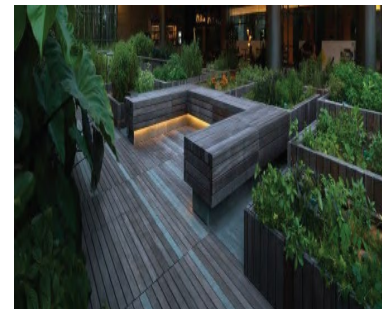
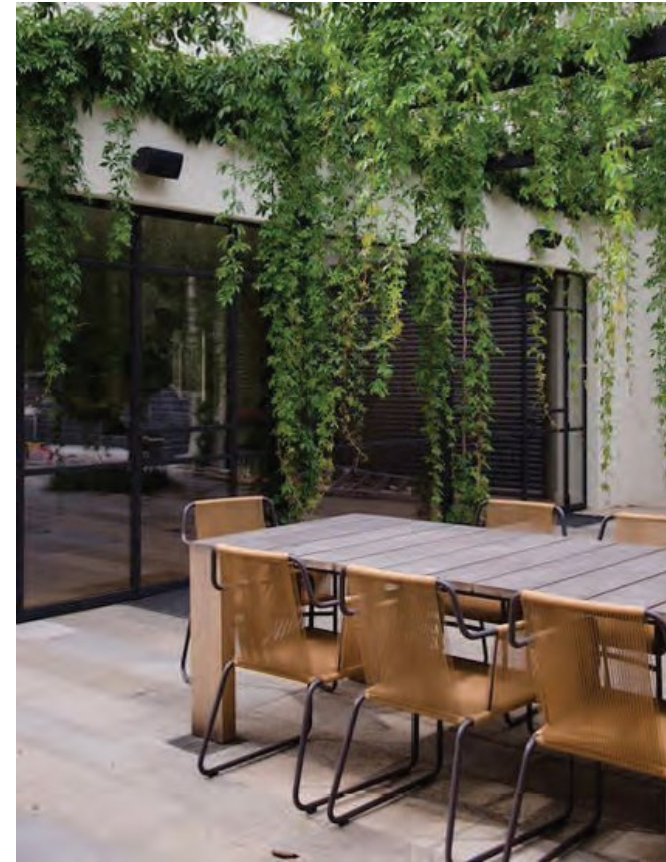
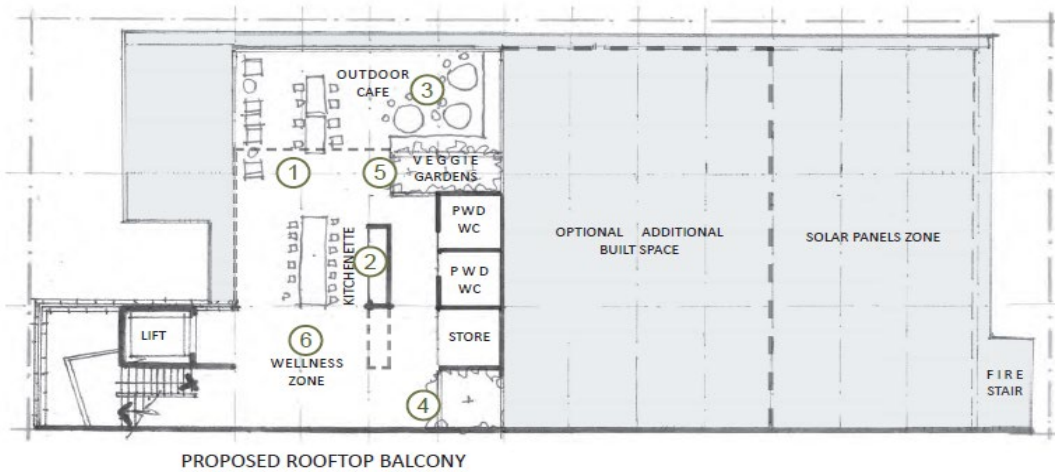


PROPOSED CARPARK AND EOT FACILITIES



Roof Top – Perspective

ROOFTOP BALCONY - REFERENCE IMAGES



Refurbishment study outcome

- Town Planning Requirements
 - Landscaping
 - Access and servicing
 - Fire hydrant
- Engineering
 - Structural reinforcement required to add rooftop terrace
- Cost estimates \$5M to \$6M
 - Current development value \$8M
 - Over capitalising on the current asset
 - Still not meeting long-term needs

Analysis of Options

	Option 1 Renovate current office	\$ AUD	Option 2 Buy/Build New Office	\$ AUD	Option 3 Lease New Office	\$
Financial Impact	Building Upgrade	\$ 3,500,000	Proceeds from Sale	\$ (8,000,000)	Proceeds from Sale	\$ (8,000,000)
	Office Fit-out	\$ 2,500,000	New Building Cost	\$ 15,000,000	Fitout	\$ 5,000,000
	Lease Temp Premises	\$ 650,000	Fitout	\$ 5,000,000	Lease Temp Premises	\$ 650,000
	Relocation/Other Costs	\$ 200,000	Lease Temp Premises	\$ 650,000	Relocation/Other Costs	\$ 200,000
			Relocation/Other Costs	\$ 200,000		
		\$ 6,850,000		\$ 12,850,000		\$ (2,150,000)
Risks	Business Disruption Construction Impact next door Depreciation Impact Short term Solution 3-5 years Valuation/Over Capitalizing Will not meet longer term capacity requirements		Business Disruption People Impact Reduction in Investment Portfolio		Business Disruption People Impact Fit-out restrictions - depending on Landlord Fitout costs locks APNIC in for the long term Insecurity - depending on Landlord No control of other tenants No exposure to Capital Growth Exposed to market increases in lease costs Reduction in Investment Portfolio	
Benefits	Least Cost Option Least people impact		Space for future capacity Longer term solution 10-15 years Future Capital Growth Security for APNIC		Investment funds stay intact Fitout costs may be reduced	
Operating Expense ongoing	Reduction in Investment Income	\$ 342,500	Reduction in Investment Income	\$ 642,500	Investment Income	\$ (107,500)
	Depreciation Expense	\$ 400,000	Depreciation Expense	\$ 400,000	Depreciation Expense	\$ 400,000
			Capital Allowances	\$ 375,000	Lease	\$ 1,216,250
			Land Tax	\$ 150,000	Land Tax	\$ 150,000
		\$ 742,500		\$ 1,567,500		\$ 1,658,750
Details	6 Cordelia Street, South Brisbane Land 901m ² Building Current 1,250m ² Building Planned 1,850m ²		Inner-City Fringe Brisbane Land TBC Building est 2,500m ²		Inner-City Fringe Brisbane Land TBC Building est 2,500m ²	

Note: These assumptions are based on estimates, detailed analysis of options will require advice from; legal, property and Tax and other specialists

Recommendations

- Reject Option 1
 - Commercially unviable
- Pursue sale of 6 Cordelia Street
 - Estimate ~\$8M AUD
 - One-off opportunity in combination with neighbouring development
 - Aim for extended settlement or leaseback arrangement (12 mo)
- Further Investigate Options 2 and 3
 - Identify opportunities to Lease or Buy
 - Increase floorspace from current 1250 M2 to 2,500 - 3,000 M2
 - Minimize impact by relocating within BNE city fringe
 - Liaison with Property sub-committee
 - Develop detailed analysis of available options

Discussion

Agenda Item 16

AOB

Online Community Platform

Project Update: 06/2021

An investment project in 2021 activity plan

INVESTMENTS

	Objectives	Benefits to Members
1B.2. Online community platform →		
Validate community requirements and prototype an online platform through APNIC Academy for community members to share knowledge and experience, and participate in discussions. Complete further user research to establish if community need exists to expand the platform to other areas in future.	<p>Identify and implement a platform to serve APNIC Academy's user communications needs.</p> <p>Configure and populate the platform for the initial scope of the APNIC Academy.</p> <p>Monitor prototype and research community for potential expansion across other APNIC services if needed.</p>	<p>Network operators can better learn from each other's experience.</p> <p>Allows network operators to find answers to common questions and issues.</p> <p>Replace or augment aging mailing list facilities.</p> <p>Promotes online engagement between the APNIC community.</p>

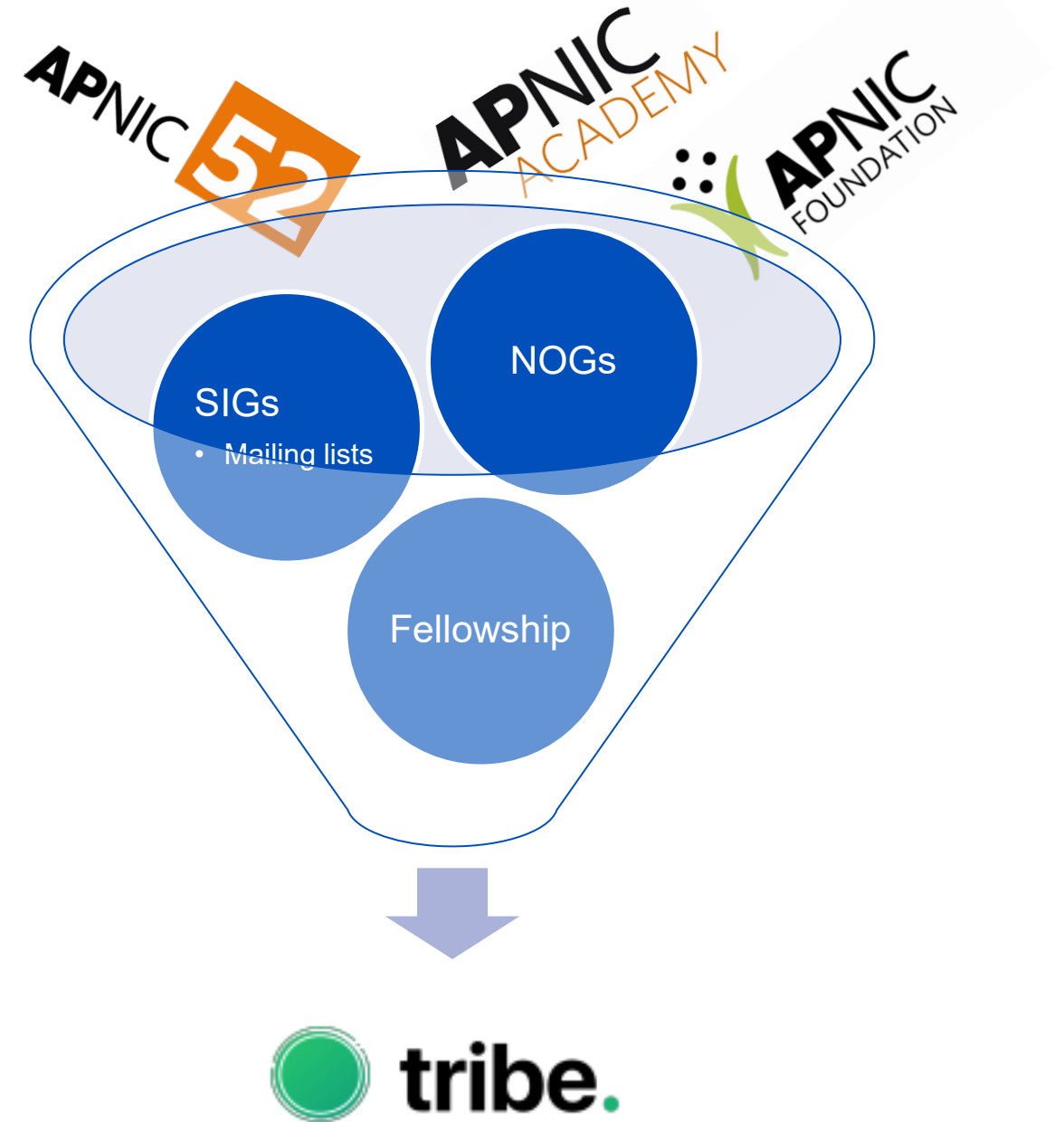


- Chosen platform for testing:
 - <https://tribe.so>
- Next Generation Social Networking
- Excellent API, Activity feeds, Embeddable widgets, Gamification, Groups, Topics etc..
- Continuing to improve and innovate with new features

The screenshot displays the Smart Nora Community website. At the top, a green navigation bar includes links for HOME, PRODUCT, COMMUNITY, SIGNUP, and LOGIN. Below this, the header features the 'Smart Nora Community' logo and a search bar. The main content area is divided into three columns. The left column contains a sidebar with navigation options: Featured, New Questions, Unanswered, Following, and All Time. Below these are topic-specific filters: Mattress, Social Science, Sleeping remedies, Sleep Gadgets, Sleep on air, and Resources. The middle column shows a list of questions. The first question, 'What is the best mattress and bed for snoring?' by Patricia Gordon, has 309 votes and 18 comments. The second question, 'Can a mouth guard stop my snoring?' by John Phillips, has 283 votes and 12 comments. The right column contains two sections: 'YOUR PROFILE' and 'YOUR CONTRIBUTION'. The profile section shows a 40% completion rate for tasks like 'Upload Profile Picture' and 'Update Your Title'. The contribution section lists the top five most helpful users this week: Andrew Howard (50 points), Maria Vasquez (46 points), Jane Guerrero (32 points), Benjamin Moore (27 points), and Gary Jackson (18 points). At the bottom of the right column, it states 'Powered by tribe. Modern online community'.

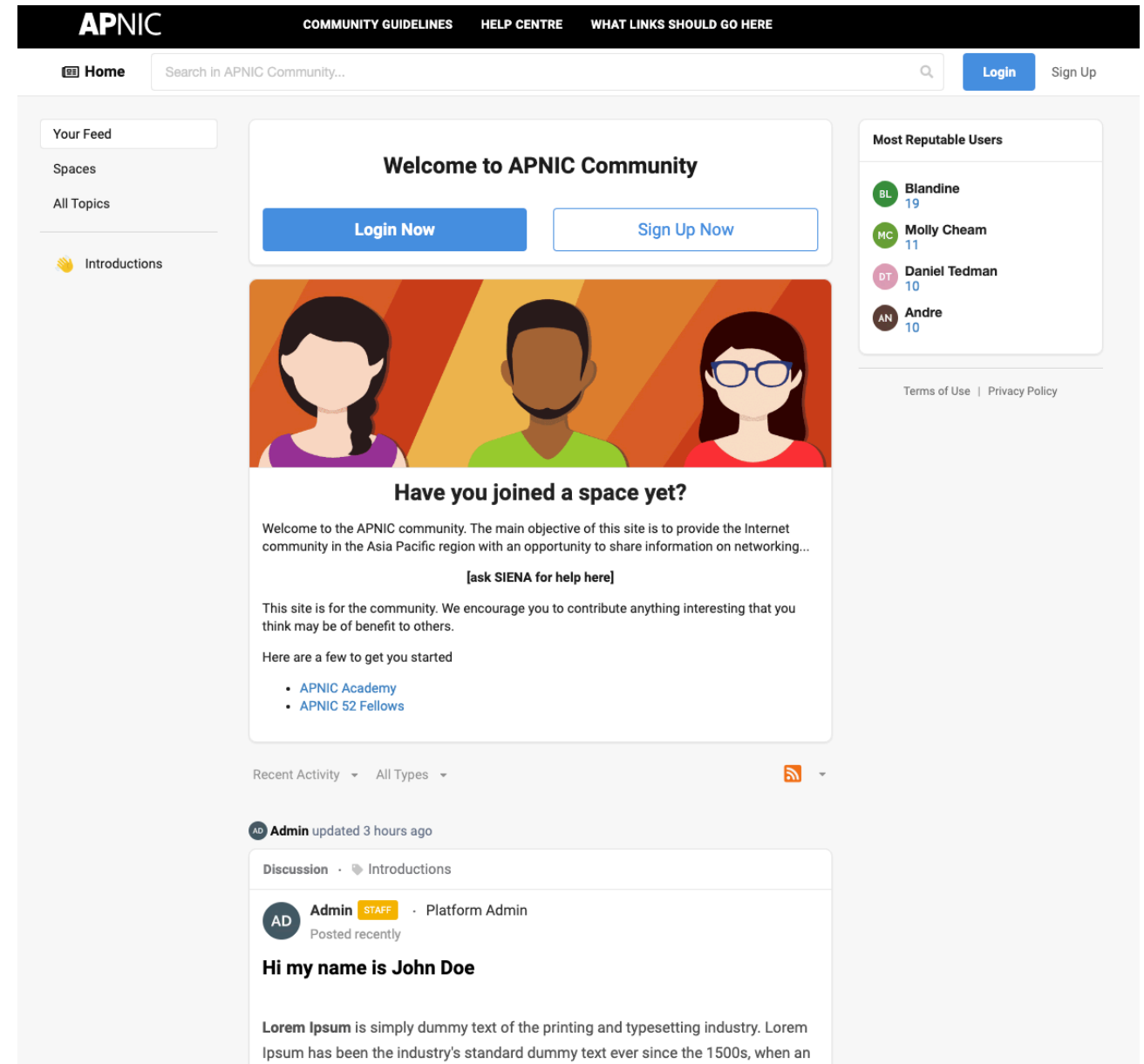
Current: Internal Test & Learn

- Tribe capabilities
- Meet with community leaders
- Form a community management team
- Develop a community engagement and governance strategy



Next: Prepare for pilot testing

- Test with users and validate assumptions
 - APNIC 52 Fellows
 - SWITCH SEA Project
 - APNIC Academy



Milestones

