

APNIC EC Meeting Minutes

Face-to-Face meeting, Daejeon, South Korea

Monday, 25 February 2019, 09:15 – 13:40 (UTC +9)

Thursday, 28 February 2019, 16:15 – 16:30 (UTC+9)

Meeting started at 09:15 (UTC +9), Monday, 25 February 2019

Present

Benyamin Naibaho
Gaurab Raj Upadhaya, Chair
Izumi Okutani (in person on 25/2, not a member on 28/2)
Jessica Shen (in person on 25/2, not a member on 28/2)
Kam Sze Yeung
Kenny Huang, Treasurer
Paul Wilson, Director General
Rajesh Chharia, Secretary
Yoshinobu Matsuzaki (not a member on 25/2, in person on 28/2)
Yuedong Zhang (not a member on 25/2, in person on 28/2)

Connie Chan, Senior Executive Assistant (minutes)
Craig Ng, General Counsel
Richard Brown, Business Director
Sanjaya, Deputy Director General

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. Chair update
 7. WH&S update
 8. Financial report
 9. APNIC 47 election procedures
 10. Secretariat report
 11. APNIC conference location
 12. APNIC Foundation - Board Activities Update
 13. Strategic planning and risk register update
 14. Any other business (AOB)
 15. Next EC meeting
 16. APNIC EC Officer Elections
 17. Thanks to retiring EC members
-

Minutes

1. Opening of meeting and declaration of quorum

The Chair of the EC welcomed all attendees to the meeting. The Chair declared the meeting open at 09:15 (UTC +9) on Monday, 25 February 2019, and noted that a quorum was present.

2. Agenda bashing

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

3. Declaration of interests

The 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.

Gaurab Raj Upadhaya declared that he was no longer a director of NREN, and updated his position as the Founder of NREN.

Kams declared that he was still a member of the Working Group of Peering Asia and asked to remove the reference to Peering Asia 2.0.

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

Action item 2019-01: The Secretariat to update the Register of Interests.

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 2019-01: The EC resolved to adopt the minutes of EC meeting of 5-7 December 2018.

5. Matters arising from the last meeting

The following matters from the previous meetings are pending:

Action item 2018-10: The Secretariat to prepare an implementation plan for full electronic voting systems.

The following matters were completed:

Action item 2018-06: The Secretariat to update the Register of Interests.

Action item 2018-07: The DG to contact Simon Sohel Baroi to confirm his willingness to accept the appointment.

Action item 2018-08: The DG to contact Zufadly Syam to confirm his willingness to accept the appointment.

[Confidential material redacted]

Action item 2018-12: The Secretariat to amend the survey response as requested.

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

Action item 2018-11: The Secretariat to prepare a risk register survey to gather inputs from the EC. [See agenda item 13]

6. Chair update

The Chair presented the EC travel expense report. He noted that 2018 was a very productive year, reaching out to our community. Total travel expenses were 5% below budget.

The Chair encouraged the EC to continue to attend more local and regional events to support Members and build strong connections with our key stakeholders.

7. WH&S update

Kam Sze Yeung, who serves as the EC liaison on WH&S, presented the Health and Safety update. He reported that the WH&S issues were well-managed and resolved to his satisfaction.

8. Financial report

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

The EC noted and discussed the annual financial report for the year ended 31 December 2018. The Auditors have provided an unqualified audit report and a management report that provides a summary of audit findings. There were no significant issues raised in the management report.

The EC noted APNIC's equity position of AUD 28.8M represents a 4% increase in total assets through 2018. Total revenue for 2018 was AUD 22.3M for the year, which was 1% above the 2018 budget forecast. Total expenses were AUD 21.2M, which was 3% below the original budget forecast. The final result for 2018 was a surplus of AUD 1.1M.

As of 31 December 2018, APNIC had a total of 7,162 Members serving 54 economies. There were 825 new Members and 210 Members who had closed their accounts, representing a net increase of 615 Members during 2018.

Resolution 2019-02: The EC resolved to adopt the Special Purpose Financial Report for 2018 as representing the financial position of APNIC as at 31 December 2018, noting that APNIC is solvent and able to pay its debts as and when they fall due.

Motion proposed by Kenny Huang; seconded by Rajesh Chharia. Passed unanimously.

Resolution 2019-03: The EC resolved to accept the Auditor's Report (as tabled at the meeting).

Motion proposed by Kenny Huang; seconded by Rajesh Chharia. Passed unanimously.

9. APNIC 47 election procedures

The EC noted the 2019 EC Election procedures (attached).

Resolution 2019-04: The EC resolved to appoint Mr ByungKyu Kim as Election Chair; Mr George Kuo and Ms Connie Chan of the APNIC Secretariat as Election Officers; Mr George Odagi, Mr Tom Do, and Ms Anna Mulingbayan as Election Tellers; and endorse the APNIC 47 EC Election procedures.

Motion proposed by Rajesh Chharia; seconded by Izumi Okutani. Passed without objection.

Gaurab Raj Upadhaya and Kenny Huang abstained from voting.

10. Secretariat report

The DG spoke to the APNIC update presentation (attached).

The Chair suggested that the Secretariat to add some notes at the start of the executive summary so that it leaves no doubt as to which items have been excluded from the report.

It is noted that the NRO EC has tasked the RIR legal teams to work on the implementation arising from the ASO review, and to put a proposal to the community based on the legal advice and review of positions from all the RIRs.

The DG then spoke to the HR report. Questions were raised on staff turnover, performance bonuses and salary benchmarking.

The DG presented the draft Annual General Meeting agenda (attached).

Resolution 2019-05: The EC resolved to approve the draft agenda for the Annual General Meeting of 28 February 2019.

Motion proposed by Gaurab Raj Upadhaya; seconded by Kams Yeung. Passed unanimously.

11. APNIC conference location

Tony Smith and Blandine Cousin joined the meeting for this agenda item.

Tony Smith spoke to the status update presentation on APNIC 48, 50 and 52.

The EC discussed the proposed locations, and agreed on the preferred location to host APNIC 50 and APNIC 52. The EC will review these locations again in six months' time, and make an announcement in Chiang Mai.

The APNIC 48 conference will be held at Le Meridien, Chiang Mai, Thailand from 5 to 12 September 2019.

[Confidential material redacted]

12. APNIC Foundation update

Duncan Macintosh joined the meeting for this agenda item.

Duncan Macintosh spoke to the Foundation update presentation (attached).

The EC noted that the APNIC Foundation is an important initiative, and is pleased to see the Foundation's progress and commitment to securing longer-term funding to support the Internet development projects within the Asia Pacific region.

13. Strategic planning and risk register update

The EC discussed the draft request for proposal (RFP) for APNIC strategic planning (attached), and asked the Secretariat to proceed with it.

Richard Brown spoke to the risk management framework presentation. The Secretariat will run a survey to gather data on risk items before the next EC meeting.

The EC also reviewed the current APNIC Risk Register. There were no proposed changes to the current Risk Register.

14. Any other business

The Chair called for any other business.

The Chair suggested that we invite the outgoing EC members to attend one more meeting as observers to help the new EC members get up to speed. The EC agreed to this idea and will consider passing a resolution at the next meeting.

15. Next EC meeting

The next EC meeting is scheduled for 3-5 June 2019 in Brisbane.

Meeting adjourned at 13:40 (UTC+9), Monday, 25 February 2019

Meeting resumed at 16:15 (UTC+9), Thursday, 28 February 2019

Newly-elected EC members Yuedong Zhang and Yoshinobu Matsuzaki joined the meeting.

16. APNIC EC Officer Elections

The EC welcomed the newly-elected EC members, Yuedong Zhang and Yoshinobu Matsuzaki.

The EC held officer elections, to take office immediately following the Annual General Meeting.

In accordance with the EC procedures, Paul Wilson assumed the role of Chair of the Meeting. The presence of quorum was noted.

Paul Wilson called for nominations for the position of Chair of the EC. Kams Yeung and Yuedong Zhang nominated Gaurab Raj Upadhaya. Benjamin Naibaho nominated Rajesh

Chharia. Both nominees accepted the nomination. Five EC members voted in favour of Gaurab Raj Upadhaya. Gaurab Raj Upadhaya was elected as the Chair of the EC by majority vote of the EC.

Gaurab Raj Upadhaya assumed the role of Meeting Chair.

Nominations were called for the position of Treasurer. Kam Sze Yeung nominated Kenny Huang. There were no other nominations. Kenny Huang was elected as the Treasurer of the EC.

Nominations were called for the position of Secretary. Rajesh Chharia nominated himself for the position of Secretary. There were no other nominations. Rajesh Chharia was elected as the Secretary of the EC.

17. Thanks to retiring EC members

The Chair proposed a vote of thanks to retiring EC members, Jessica Shen and Izumi Okutani, for their dedication and contributions to APNIC, the APNIC EC and the Internet community.

Resolution 2019-06: The EC resolved to express their sincere appreciation and deepest gratitude to Jessica Shen and Izumi Okutani for their valuable service and contributions to APNIC and the APNIC EC.

Motion proposed by Gaurab Raj Upadhaya; seconded by Rajesh Chharia. Passed unanimously.

Resolution 2019-07: The EC resolved to invite outgoing EC members to attend one further meeting as observers, to participate and contribute to discussions, but without the right to vote.

Motion proposed by Gaurab Raj Upadhaya; seconded by Kenny Huang. Passed unanimously.

Meeting closed at 16:30 (UTC +9), Thursday, 28 February 2019

Attachments:

- A. Register of interest**
- B. [Confidential information redacted]**
- C. 2018 annual financial report and presentation**
- D. 2018 special purpose financial report and auditor's report**
- E. 2018 investment report**
- F. January 2019 financial report**
- G. January 2019 investment report**
- H. APNIC 47 EC election procedures**
- I. Secretariat report and presentation**
- J. [Confidential information redacted]**
- K. APNIC 47 AGM draft agenda**
- L. [Confidential information redacted]**
- M. APNIC Foundation update presentation**
- N. RFP for APNIC strategic planning**
- O. [Confidential information redacted]**

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 8 January 2019.

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

- Employee of Amazon Web Services (AWS/Amazon) as the Principal for Infrastructure/IP Strategy Development
- Director of the Nepal Research and Education Network (NREN)
- Chairman of Nepal Internet Exchange (NPIX)
- Standing member of the Program Committee of APRICOT, SANOG, and Global Peering Forum

Izumi Okutani declared that she currently holds the following positions:

- Employee of Institute for Global Environmental Strategies (IGES) as Programme Manager of Business Taskforce
- Member of the Internationalization of JANOG (JANOG i18n)
- Member of the Secretariat of Internet Governance Conference Japan (IGCJ)
- Member of the Multistakeholder Steering Group of [APrIGF](#)

Jessica Shen declared that she currently holds the following positions:

- Employee of CNNIC as Director of IP Operation, under the Ministry of the Cyberspace Administration of China

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, organizing Peering Asia 2.0

Kenny Huang declared that he currently holds the following positions:

- CEO of TWNIC
- Board of Director, ISOC Taiwan Chapter
- Member of the Advisory Council of [DotAsia](#) Organization

Rajesh Chharia declared that he currently holds the following positions:

- President of the Internet Service Providers Association of India (ISPAI)
- Director of the National Internet Exchange of India (NIXI)
- CEO of CJ Online Pvt. Ltd
- Director of Chandra Industrial Company Private Limited
- Founding member of INNOG
- Member of the Internet Governance Forum (IGF) Multistakeholder Advisory Group (MAG)

Benyamin Parulian Naibaho declared that he currently holds the following positions:

- President Director of PT. Cyber Network Indonesia (ISP, NAP, Data Center and VPN Provider)
- President Director of PT. Platinum Network Indonesia (ISP)
- Chief of Data Center and Indonesia Internet Exchange (IIX) - APJII (Indonesia ISP Association)
- MAG (Multistakeholder Advisory Group) of ID-IGF (Indonesia Internet Government Forum)

- Treasury of APJATEL (Indonesia Telecommunication Network Provider Association)

Paul Wilson declared no conflict of interests.

Agenda Item 8

Financial report

2018 Financial Report



Highlights

- Surplus of \$1,113k exceeds budget by \$866k ✓
- Revenue over budget by \$137k (1%) ✓
- Expenses less than budget by \$703k (3%) ✓
- Equity position increases by \$1,113k (4%) ✓
- Financial stability measure to 16.30 months of operational expenditure ✓
- Unqualified audit opinion ✓

Operating Surplus

REVENUE and EXPENSES (AUD)	Actual 2018	Actual 2017	Variance %	Budget 2018	Budget Variance \$	Budget Variance %
Total Revenue	22,301,031	21,149,743	5%	22,164,017	137,014	1%
Total Expenses	21,214,519	19,676,928	8%	21,917,453	-702,934	-3%
Operating Surplus	1,086,512	1,472,815	-26%	246,564	839,948	341%
Fair value loss on financial assets	-73,475	0	-	0	-73,475	-
Surplus before Income Tax	1,013,037	1,472,815	-31%	246,564	766,473	311%
Income tax benefit	99,935	82,284	21%	0	99,935	-
SURPLUS FOR THE YEAR	1,112,972	1,555,099	-28%	246,564	866,408	351%

Change in reporting requirements for the adoption of new accounting standard; AASB 9 Financial Instruments Investment Fund

All amounts in AUD – Australian Dollars

Revenue

REVENUE (AUD)	Actual 2018	Actual 2017	Variance %	Budget 2018	Budget Variance \$	Budget Variance %
Investment income	872,034	841,080	4%	960,000	-87,966	-9%
Membership fees	20,213,860	19,310,962	5%	20,182,202	31,658	0%
Non-members fees	251,054	260,010	-3%	237,315	13,739	6%
Reactivation fees	22,000	27,200	-19%	23,500	-1,500	-6%
Sign-Up fees	330,000	373,250	-12%	378,000	-48,000	-13%
Transfer fees	164,145	127,440	29%	130,000	34,145	26%
Sundry income	447,939	209,801	114%	253,000	194,939	77%
TOTAL REVENUE	22,301,031	21,149,743	5%	22,164,017	137,014	1%

All amounts in AUD – Australian Dollars



Revenue

Overall revenue slightly (1%) above budget – major variances are:

Investment income

- For 2018 the APNIC portfolio has achieved a return of 2.16% compared to the benchmark of 1.95%. Since inception the portfolio has returned 4.68% against the benchmark of 4.89% and CPI + 2.5% of 4.43%
- Note that change in the value of the investment portfolio will be reported in the Income Statement after the adoption of the AASB 9 accounting standard

Membership fees and Sign-Up fees

- Membership related fees finished very close to the budget, the following statistics are worth noting:
 - New member growth at the end of 2018 of 825 was slightly below the budget of 840 by 1.8%
 - Average fees for new members was \$1,342 compared to the budget assumption of \$1,430
 - The budget assumed that 20% of members would originate from LDC economies, but during 2018, 30.3% of new Members originated from LDC economies
 - Offsetting these, the budget assumed 312 closures during the year averaging \$1,686 in fees per account, actual closes were much lower at 210, averaging \$2,193

Sundry income

- Sundry income was greater than budget, this variance was caused by:
 - Sponsorship for the APNIC meetings being greater than budgeted
 - Receipts from the APNIC Foundation
 - Training Cost Recovery
 - ICANN project income



Expenses

EXPENSES (AUD)	Actual 2018	Actual 2017	Variance %	Budget 2018	Budget Variance \$	Budget Variance %
Bank service fees	193,762	177,670	9%	180,500	13,262	7%
Communication expenses	542,896	561,271	-3%	581,328	-38,433	-7%
Computer expenses	817,599	647,453	26%	886,136	-68,537	-8%
Contribution to APNIC Foundation	732,710	665,058	10%	700,683	32,027	5%
Depreciation expense	856,029	807,596	6%	827,368	28,661	3%
Doubtful debt expenses	-1,445	14,653	-110%	25,000	-26,445	-106%
ICANN contract fee	278,866	244,657	14%	248,340	30,526	12%
Insurance expense	189,738	173,610	9%	186,000	3,738	2%
Meeting and training expenses	396,545	389,922	2%	479,000	-82,455	-17%
Membership fees	48,309	52,296	-8%	52,840	-4,531	-9%
Office operating expenses	342,458	337,207	2%	352,425	-9,967	-3%
Postage & delivery	42,808	40,610	5%	39,000	3,808	10%
Printing & photocopy	35,605	29,311	21%	39,000	-3,395	-9%
Professional fees	1,458,389	1,304,343	12%	1,813,500	-355,111	-20%
Recruitment expense	185,554	134,793	38%	120,000	65,554	55%
Salaries and personnel expenses	11,962,294	11,096,470	8%	12,094,603	-132,309	-1%
Sponsorship and Publicity expenses	759,741	681,342	12%	860,730	-100,989	-12%
Staff training/ Conference expenses	199,349	148,603	34%	157,500	41,849	27%
Translation expenses	7,855	9,027	-13%	23,500	-15,645	-67%
Travel expenses	2,165,459	2,161,034	0%	2,250,000	-84,541	-4%
TOTAL EXPENSES	21,214,519	19,676,928	8%	21,917,453	-702,934	-3%

All amounts in AUD – Australian Dollars

Expenses

The variance in total expenses is **less than 3% (\$703k)** of the approved budget for 2018.
Major variance reported are:

Computer expenses

- Variance of \$69k below budget, major variances include:
 - Provisions for cloud storage
 - anycast global load-balancing for RDAP and Whois
 - anycast secondary DNS hosting
 - VOIP maintenance and call costs

Meeting and training expenses

- Variance of \$83k below budget, major variances include:
 - allowances for venue, furniture and audio equipment hire for training events which have not been utilized

Expenses cont'd

Professional fees

- Favourable variance against budget of \$355k, major variances:
 - Training and Academy content development
 - External technical assistance and non-staff trainers
 - Community engagement consulting
 - Usability Testing
 - ISMS consulting and audit

Recruitment expenses

- Recruitment activity greater than anticipated resulting in a \$66k variance over budget

Salary and personnel expenses

- Underspent by \$132k:
 - The restructure in early 2018 was not anticipated in the budget process
 - A number of vacated roles in the latter part of the year



Expenses cont'd

Sponsorship and Publicity expenses

- Variance of \$101k below budget, major contributors include:
 - APNIC's contribution to the NRO expenses
 - NOG Sponsorships
 - Regional Technical Development and Security sponsorship
 - National IGF, and Conference sponsorships
 - Google advertising
 - Promotional material and advertising

Travel expenses

- Full year variance of \$85K below budget in line with forecast

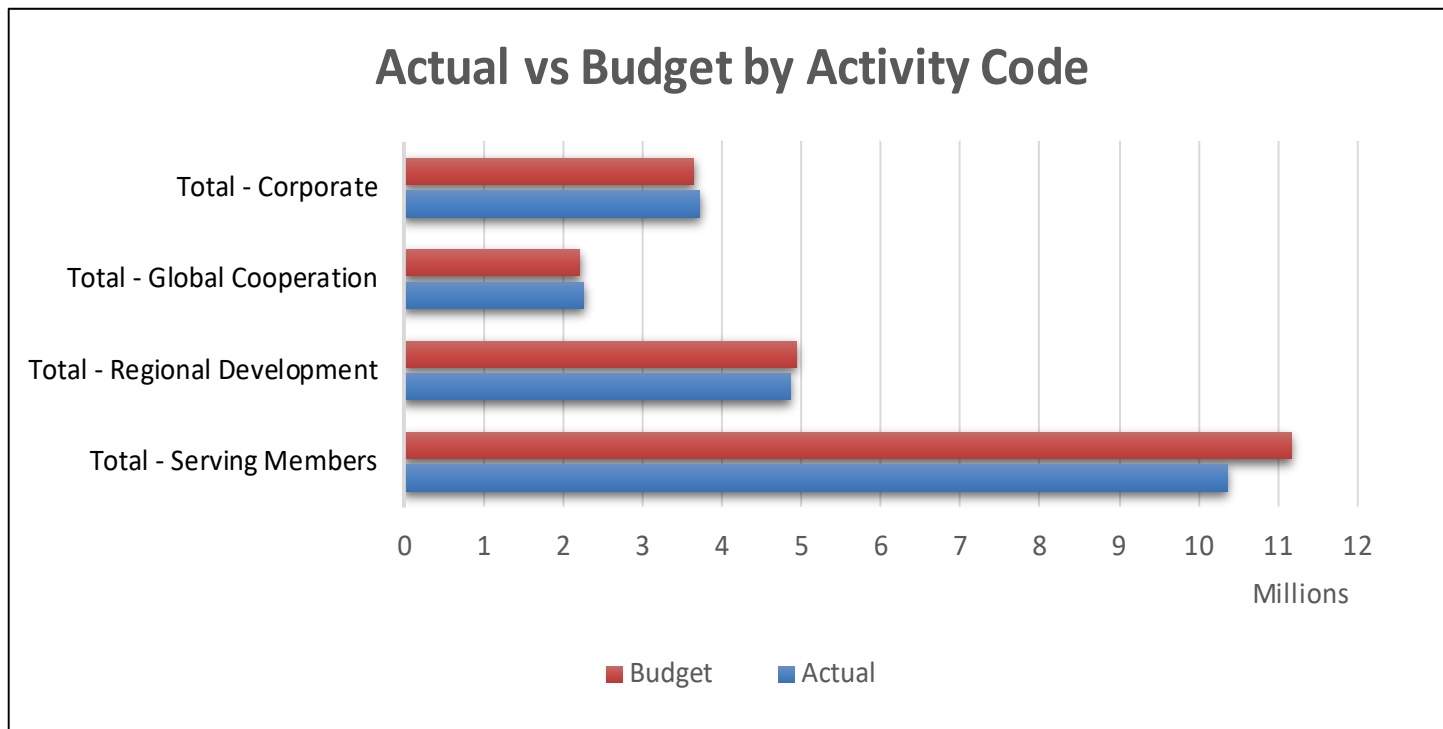
Capital Expenditure 2018

CAPITAL (AUD)	Actual 2018	Actual 2017	Variance %	Budget 2018	Budget Variance \$	Budget Variance %
Equipment & Software	510,658	572,206	-11%	923,800	-413,142	-45%
Office Furniture & Fittings	91,273	110,211	-17%	90,000	1,273	1%
Total - Capital Expenditure	601,930	682,417	-12%	1,013,800	-411,870	-41%

- Major variances relate to provisions not being fully utilized for:
 - Root Server installations and Upgrades
 - New IXP Development
 - Portal Development work
 - Stats and Data development work
 - Lab Servers
 - Firewall and Servers for Labs
 - Ripe Anchors
 - Switches and other equipment



Expenses by Activity



Expenses by Activity

EXPENSES (AUD)	Actual 2018	Budget 2018	Variance \$	Variance %
Facilities	647,118	646,319	799	0%
Finance & Administration	1,492,350	1,468,195	24,155	2%
Human Resource Management	1,011,533	930,620	80,913	9%
Legal & Governance	573,523	585,122	-11,599	-2%
Total - Corporate	3,724,523	3,630,256	94,267	3%
Global Research	690,205	610,772	79,433	13%
Global Technical Community	1,232,634	1,314,340	-81,707	-6%
Inter-governmental Outreach	323,825	269,922	53,903	20%
Total - Global Cooperation	2,246,663	2,195,034	51,629	2%
APNIC Conferences	1,475,079	1,473,125	1,954	0%
APNIC Foundation	738,731	710,683	28,048	4%
Community Engagement	1,258,087	1,412,411	-154,324	-11%
Regional Technical Development	1,397,900	1,327,792	70,108	5%
Total - Regional Development	4,869,797	4,924,011	-54,214	-1%
Customer Service	3,887,938	4,172,199	-284,261	-7%
Member Training	1,519,330	1,718,833	-199,503	-12%
Registration Services	1,620,765	1,687,192	-66,427	-4%
Technical Infrastructure	3,345,504	3,589,928	-244,424	-7%
Total - Serving Members	10,373,537	11,168,152	-794,615	-7%
Total - Expenses	21,214,519	21,917,453	-702,934	-3%

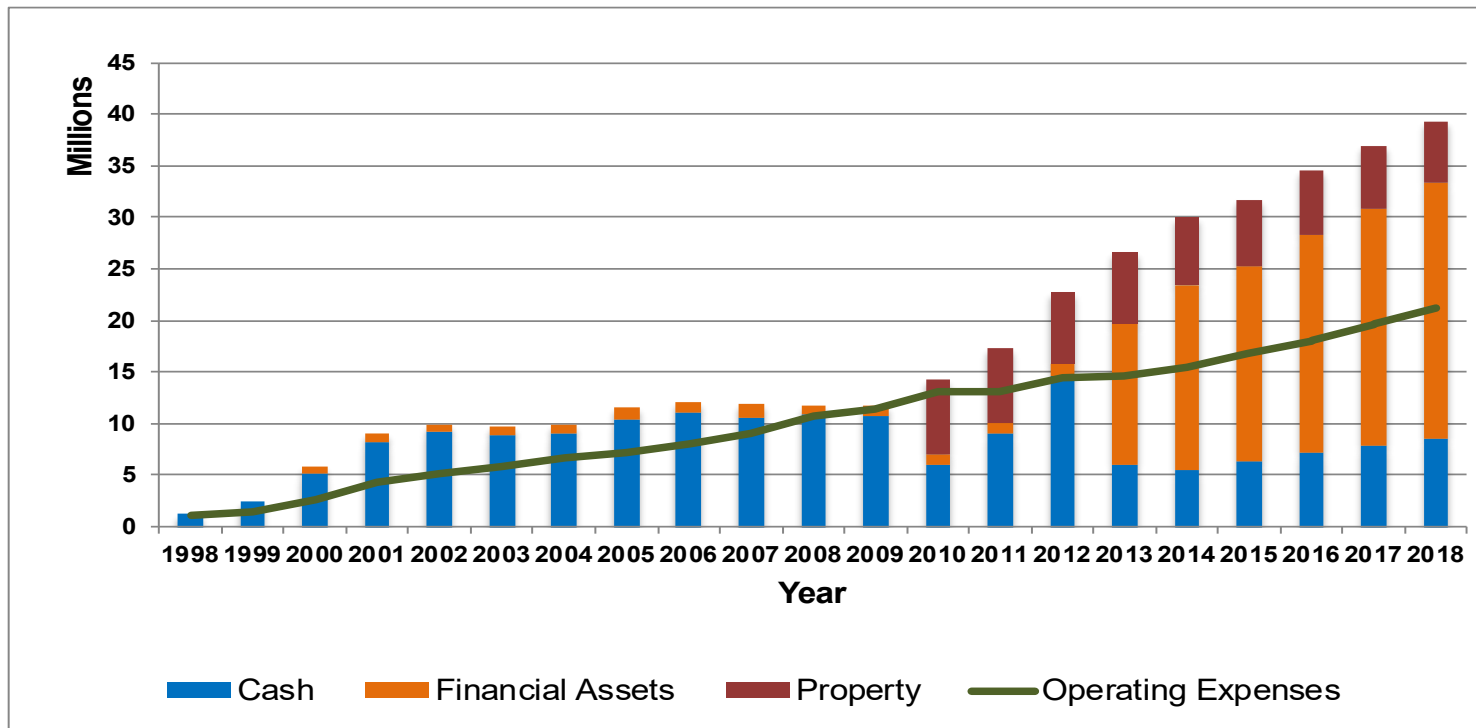


Statement of Financial Position

	Year End 2018	Year End 2017	Change	% Change
ASSETS				
Total Current Assets	10,119,457	9,905,236	214,221	2%
Total Non-Current Assets	32,620,117	30,841,683	1,778,433	6%
TOTAL ASSETS	42,739,574	40,746,920	1,992,654	5%
LIABILITIES				
Total Current Liabilities	13,213,692	12,253,734	959,959	8%
Total Non-Current Liabilities	704,897	785,173	-80,277	-10%
TOTAL LIABILITIES	13,918,589	13,038,907	879,682	7%
NET ASSETS/ TOTAL EQUITY	28,820,985	27,708,013	1,112,972	4%

All amounts in AUD – Australian Dollars

APNIC's Reserve



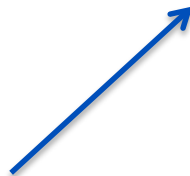
All amounts in AUD – Australian Dollars

#apricot2019



Financial Stability Measure

	2018	2017	2016	2015
Total Equity	\$28,820,985	\$27,708,013	\$25,647,507	\$23,319,460
% Equity covered by Cash/ Cash Equivalents	115.6%	111.0%	110.6%	121.6%
Actual Daily Operating Expenses	\$58,122	\$53,909	\$49,430	\$46,077
Number of Months of expenses covered by Equity	16.30	16.90	17.01	16.64



Target of 18 months of Operating expenses

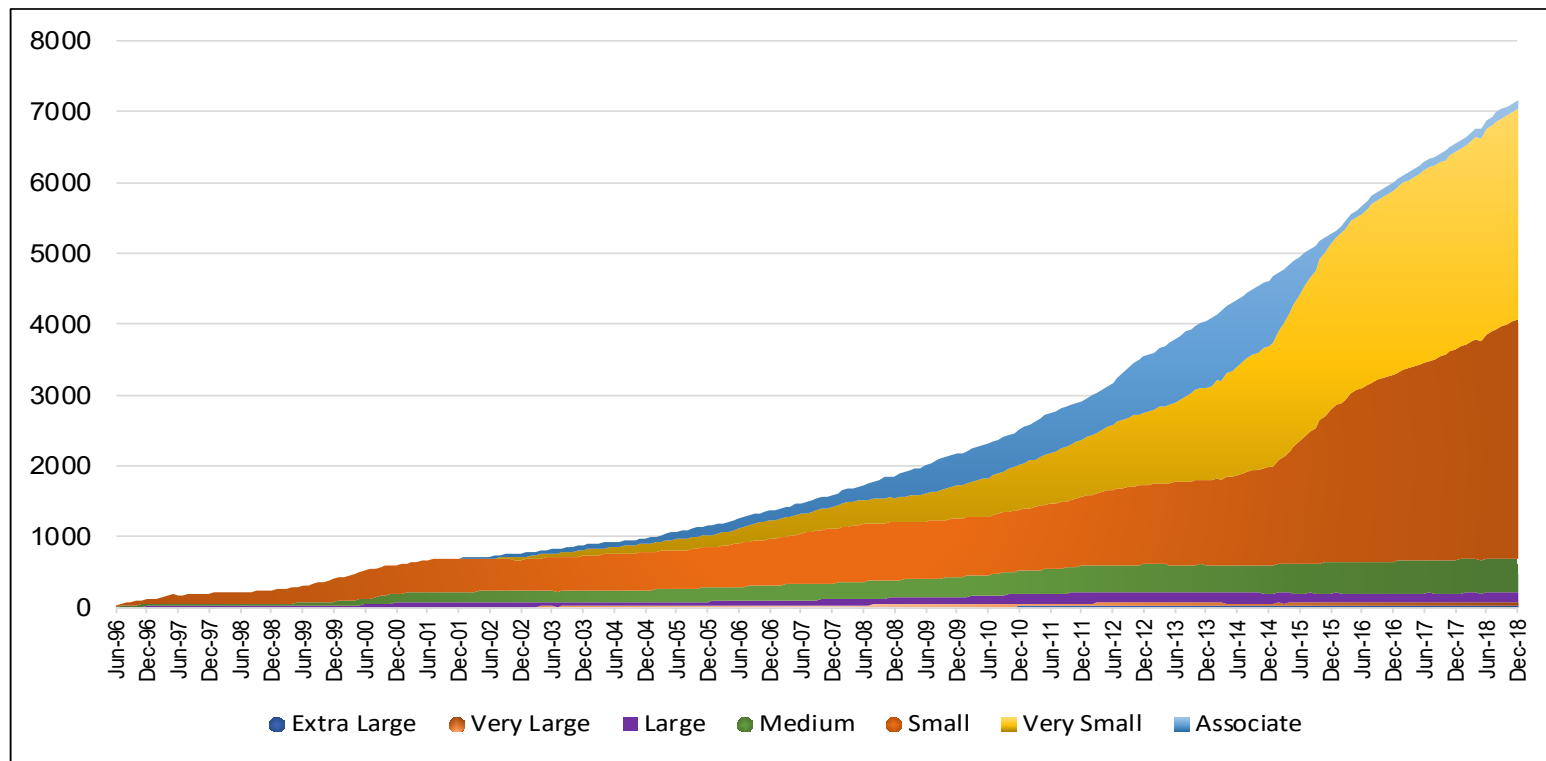
All amounts in AUD – Australian Dollars

Membership Growth

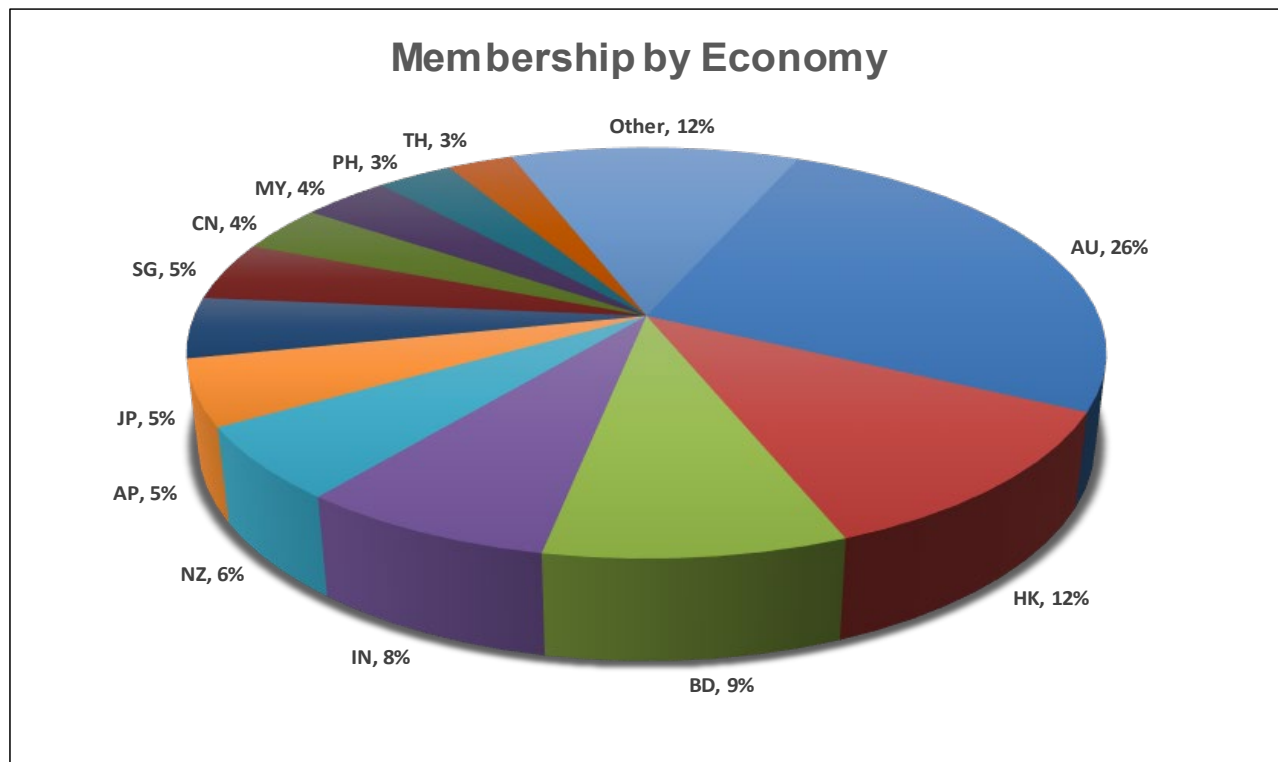
Membership Tier	2013	2014	2015	2016	2017	2018
Extra Large	20	21	22	22	23	24
Very Large	43	40	44	43	41	44
Large	147	142	137	138	138	143
Medium	392	402	431	449	473	483
Small	1,198	1,388	2,165	2,643	2,971	3,376
Very Small	1,294	1,701	2,336	2,590	2,769	2,967
Associate	957	924	133	109	132	125
Total	4,051	4,618	5,268	5,994	6,547	7,162
New	813	805	968	1,048	849	825
Close	296	238	318	322	296	210
Total	517	567	650	726	553	615
Average Monthly Gain	43	47	54	61	46	51



Membership Growth



Membership by Economy



Audit

Audit Rotation Policy:

- PwC undertook audit of 2018 accounts, the final year of their 5 year term as APNIC auditor. APNIC will in 2019 appoint new external auditor, a proposal will be presented to the Executive Council for approval

Audit Outcome:

- PwC provided an unqualified audit opinion
- The accounts give a true and fair view of APNIC's financial position
- Comply with the relevant accounting standards

January 2019

Finance Report



Highlights

- Surplus of \$643k exceeds budget by \$501k
- Revenue above budget \$11k (1%)
- Expenses less than budget \$145k (8%)
- Investment fair value increase of \$344k
- Equity position increases by \$643k (2%)

Highlights cont'd

- Membership Revenue in line with forecast
- Investment income above budget but volatility remains in the market
 - Significant recovery in Investment portfolio value in January of \$344k
- Expenses for January well below budget
 - Professional fees variance is timing related
 - Salary and personnel is above budget, timing related
 - Travel expenses are below budget but will more closely align as travel activity increases in line with the meeting program
 - Capital expenditure above budget due to the media room renovation
- No risks identified for the budget for 2019 at this stage



Thanks..





Annual Financial Report

(in AUD)

2018

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1 Statement of Financial Position

	Year-End 2018	Year-End 2017	% Change
CURRENT ASSETS			
Cash/ Term deposits	8,456,000	7,850,592	8%
Receivables	984,890	1,284,166	-23%
Others	678,567	770,479	-12%
TOTAL CURRENT ASSETS	10,119,457	9,905,236	2%
NON-CURRENT ASSETS			
Other financial assets	24,861,226	22,893,372	9%
Property, plant and equipment	7,472,353	7,745,911	-4%
Deferred tax assets/ liabilities	286,537	202,401	42%
TOTAL NON-CURRENT ASSETS	32,620,117	30,841,683	6%
TOTAL ASSETS	42,739,574	40,746,920	5%
CURRENT LIABILITIES			
Payables	1,241,761	1,086,670	14%
Provisions	1,743,961	1,424,271	22%
Unearned revenue	10,227,970	9,742,793	5%
TOTAL CURRENT LIABILITIES	13,213,692	12,253,734	8%
NON - CURRENT LIABILITIES			
Deferred Tax Liabilities	450,313	466,112	-3%
Total Provisions	254,584	319,062	-20%
TOTAL NON-CURRENT LIABILITIES	704,897	785,173	-10%
TOTAL LIABILITIES	13,918,589	13,038,907	7%
NET ASSETS	28,820,985	27,708,013	4%
EQUITY			
Share capital	1	1	0%
Reserves other financial assets investment	0	1,156,552	-100%
Retained earnings	27,708,012	24,996,361	11%
Net Income	1,112,972	1,555,099	-28%
TOTAL EQUITY	28,820,985	27,708,013	4%

Table 1. Statement of Financial Position

1.1 Notes to Financial Position

The Statement of Financial Position shows that APNIC's net position increased by 4% compared to the end of last year. The adoption of AAS9 accounting standards requires the "Reserves other financial assets investment" to be recognised in the income statement and is included in retained earnings for 2018.

2 Statement of Income

This report incorporates the approved 2018 budget. The full year 2018 expenses are compared to the figures for previous year and the 2018 budget.

2.1 Revenue

REVENUE (AUD)	Actual 2018	Actual 2017	Variance %	Budget 2018	Budget Variance \$	Budget Variance %
Investment income	872,034	841,080	4%	960,000	-87,966	-9%
Membership fees	20,213,860	19,310,962	5%	20,182,202	31,658	0%
Non-members fees	251,054	260,010	-3%	237,315	13,739	6%
Reactivation fees	22,000	27,200	-19%	23,500	-1,500	-6%
Sign-Up fees	330,000	373,250	-12%	378,000	-48,000	-13%
Transfer fees	164,145	127,440	29%	130,000	34,145	26%
Sundry income	447,939	209,801	114%	253,000	194,939	77%
TOTAL REVENUE	22,301,031	21,149,743	5%	22,164,017	137,014	1%

Table 2. Revenue

Notes to Revenue:

- **Investment income** – Income from the investment portfolio ended up lower than the budget estimate in 2018, whilst interest income (from cash reserves) was slightly above budget.
 - The APNIC portfolio was positive during December as AUD bonds rose +1.50% with the risk off sentiment during the month triggering a flight to safety.
 - Australian equities fell -0.12% in December, while global equities ex-Australia fell - 4.38% in AUD terms as geopolitical risks flared and macro data softened.
 - The AUD was significantly stronger during December ending a positive calendar year for the local currency, particularly against the USD.
 - For 2018 the APNIC portfolio has achieved a return of 2.16% compared to the benchmark of 1.95%. Since inception the portfolio has returned 4.68% against the benchmark of 4.89%. It is important to note that the benchmarks set for investment categories are not adjusted for risk (therefore represent a higher risk profile than we have chosen for the APNIC portfolio).
- **Membership fees and Sign-Up fees** – These fees finished in line with recent forecasts and very close to the budget. The key statistics for 2018 were:
 - New member growth at the end of 2018 of 825 was slightly below the budget of 840 by 1.8%.
 - Average fees for new members was \$1,342 compared to the budget assumption of \$1,430
 - The budget assumed that 20% of members would originate from LDC economies, but during 2018, 30.3% of new Members originated from LDCs.
- **Sundry income** – Includes Meeting and Training/Workshop Registrations and Sponsorship. This variance results from sponsorship for the APNIC meeting in Noumea where sponsorship income was much greater than the budget, also included are consultancy fees recovered from Foundation activities.

2.2 Expenses

EXPENSES (AUD)	Actual 2018	Actual 2017	Variance %	Budget 2018	Budget Variance \$	Budget Variance %
Bank service fees	193,762	177,670	9%	180,500	13,262	7%
Communication expenses	542,895	561,271	-3%	581,328	-38,433	-7%
Computer expenses	817,599	647,453	26%	886,136	-68,537	-8%
Contribution to APNIC Foundation	732,710	665,058	10%	700,683	32,027	5%
Depreciation expense	856,029	807,596	6%	827,368	28,661	3%
Doubtful debt expenses	-1,445	14,653	-110%	25,000	-26,445	-106%
ICANN contract fee	278,866	244,657	14%	248,340	30,526	12%
Insurance expense	189,738	173,610	9%	186,000	3,738	2%
Meeting and training expenses	396,545	389,922	2%	479,000	-82,455	-17%
Membership fees	48,309	52,296	-8%	52,840	-4,531	-9%
Office operating expenses	342,458	337,207	2%	352,425	-9,967	-3%
Postage & delivery	42,808	40,610	5%	39,000	3,808	10%
Printing & photocopy	35,605	29,311	21%	39,000	-3,395	-9%
Professional fees	1,458,389	1,304,343	12%	1,813,500	-355,111	-20%
Recruitment expense	185,554	134,793	38%	120,000	65,554	55%
Salaries and personnel expenses	11,962,294	11,096,470	8%	12,094,603	-132,309	-1%
Sponsorship and Publicity expenses	759,741	681,342	12%	860,730	-100,989	-12%
Staff training/ Conference expenses	199,349	148,603	34%	157,500	41,849	27%
Translation expenses	7,855	9,027	-13%	23,500	-15,645	-67%
Travel expenses	2,165,459	2,161,034	0%	2,250,000	-84,541	-4%
TOTAL EXPENSES	21,214,519	19,676,928	8%	21,917,453	-702,934	-3%

Table 3. Expenses

Notes to Expenses:

The variance in total expenses 3% of the approved budget for 2018. Major variance reported are:

- **Computer expenses** were below budget by \$69k, provisions for cloud storage, anycast global load-balancing for RDAP and Whois, anycast secondary DNS hosting, and VOIP maintenance and call costs were not be fully utilised by the end of 2018.
- **Meeting and training expenses** were below budget with the major variance related to the allowance for venue, booth, furniture and audio equipment hire for training events which have not been used.
- **Professional fees** are below budget. Provisions for technical assistance and travel, content development, ISMS consulting and audit, as well as planned expenditure for Academy development were underspent. Provisions for Community Collaboration consulting were largely unspent in 2018.
- **Recruitment expenses** were above budget. This was caused by using external agencies to engage staff in a highly competitive environment.
- **Salary and personnel expenses** ends 2018 below budget by \$132k. Contributions to this variance include: the restructure in early 2018, the number of vacated roles in the latter part of the year and provisions for annual increments and incentives were not being fully utilized.
- **Sponsorship and Publicity expenses** were below budget by over \$100k, as the Regional Technical Development and Security, National IGF, and Conference sponsorships budget were underutilized. APNIC's contribution to the NRO expenses was also below budget in 2018.
- **Travel expenses** ended 2018 below budget as forecast during the year.

2.3 Operating Surplus/ Deficit

REVENUE and EXPENSES (AUD)	Actual 2018	Actual 2017	Variance %	Budget 2018	Budget Variance \$	Budget Variance %
Total Revenue	22,301,031	21,149,743	5%	22,164,017	137,014	1%
Total Expenses	21,214,519	19,676,928	8%	21,917,453	-702,934	-3%
Operating Surplus	1,086,512	1,472,815	-26%	246,564	839,948	341%
Fair value loss on financial assets	-73,475	0	-	0	-73,475	-
Surplus before Income Tax	1,013,037	1,472,815	-31%	246,564	766,473	311%
Income tax benefit	99,935	82,284	21%	0	99,935	-
SURPLUS FOR THE YEAR	1,112,972	1,555,099	-28%	246,564	866,408	351%

Table 4. Operating Surplus/ Deficits

3 Capital Expenditure

The table below provides overview of current capital expenditure as of December 2018.

CAPITAL (AUD)	Actual 2018	Actual 2017	Variance %	Budget 2018	Budget Variance \$	Budget Variance %
Equipment & Software	510,658	572,206	-11%	923,800	-413,142	-45%
Office Furniture & Fittings	91,273	110,211	-17%	90,000	1,273	1%
Total - Capital Expenditure	601,930	682,417	-12%	1,013,800	-411,870	-41%

Table 5. Capital Expenditure

Notes to Capital Expenditure:

Major variances relate to provisions not being fully utilized for:

- Root Server installations and Upgrades
- New IXP Development
- Portal Development work
- Stats and Data development work
- Lab Servers
- Firewall and Servers for Labs
- Ripe Anchors
- Switches and other equipment

4 Activity Reporting

4.1 Expense by Activity Code

APNIC's expenditure against major activity groups in the 2018 Activity Plan is reported as follows.

EXPENSES (AUD)	Actual 2018	Budget 2018	Variance \$	Variance %
Facilities	647,118	646,319	799	0%
Finance & Administration	1,492,350	1,468,195	24,155	2%
Human Resource Management	1,011,533	930,620	80,913	9%
Legal & Governance	573,523	585,122	-11,599	-2%
Total - Corporate	3,724,523	3,630,256	94,267	3%
Global Research	690,205	610,772	79,433	13%
Global Technical Community	1,232,634	1,314,340	-81,707	-6%
Inter-governmental Outreach	323,825	269,922	53,903	20%
Total - Global Cooperation	2,246,663	2,195,034	51,629	2%
APNIC Conferences	1,475,079	1,473,125	1,954	0%
APNIC Foundation	738,731	710,683	28,048	4%
Community Engagement	1,258,087	1,412,411	-154,324	-11%
Regional Technical Development	1,397,900	1,327,792	70,108	5%
Total - Regional Development	4,869,797	4,924,011	-54,214	-1%
Customer Service	3,887,938	4,172,199	-284,261	-7%
Member Training	1,519,330	1,718,833	-199,503	-12%
Registration Services	1,620,765	1,687,192	-66,427	-4%
Technical Infrastructure	3,345,504	3,589,928	-244,424	-7%
Total - Serving Members	10,373,537	11,168,152	-794,615	-7%
Total - Expenses	21,214,519	21,917,453	-702,934	-3%

Table 6. Expense by Activity Code

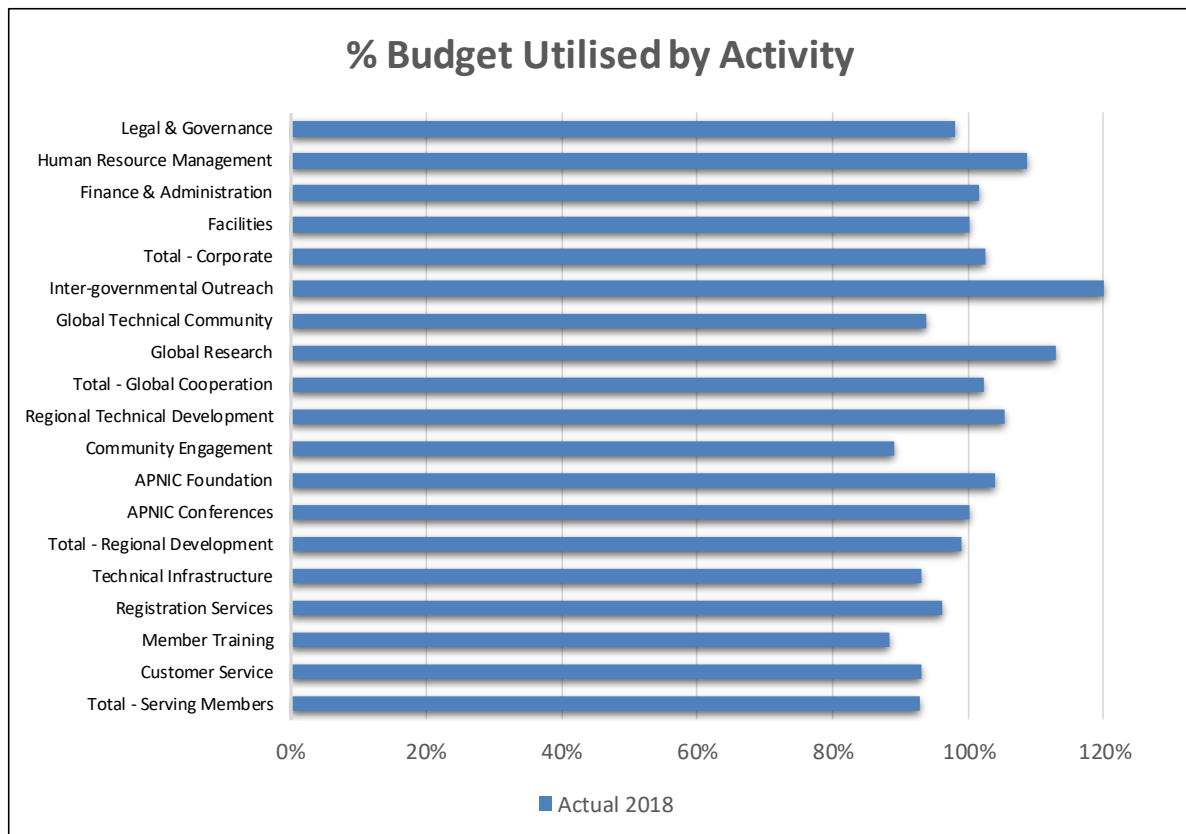


Figure 1. % Budget Utilised by Activity

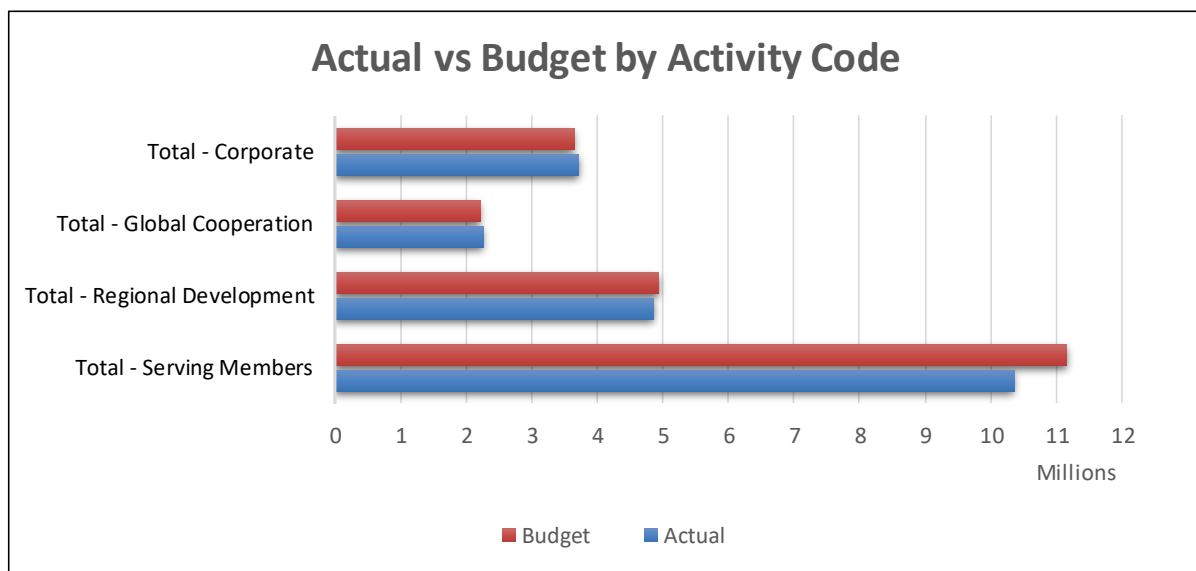


Figure 2. Actual vs. Budget by Activity

4.2 Capital Expenditure by Activity Code

CAPITAL EXPENSES (AUD)	Actual 2018	Budget 2018	Variance \$	Variance %
Facilities	90,773	90,000	773	1%
Finance & Administration	8,613	9,000	-387	-4%
Human Resource Management				
Legal & Governance				
Total - Corporate	99,386	99,000	386	0%
Global Research				
Global Technical Community				
Inter-governmental Outreach				
Total - Global Cooperation				
APNIC Conferences	5,614	13,000	-7,386	-57%
APNIC Foundation				
Community Engagement				
Regional Technical Development	66,670	315,000	-248,330	-79%
Total - Regional Development	72,284	328,000	-255,716	-78%
Customer Service	191,343	327,500	-136,157	-42%
Member Training	13,471	57,000	-43,529	-76%
Registration Services				
Technical Infrastructure	225,447	202,300	23,147	11%
Total - Serving Members	430,260	586,800	-156,540	-27%
Total - Capital Expenses	601,930	1,013,800	-411,870	-41%

Table 7. Capital Expenditure by Activity Code

5 APNIC Reserve

5.1 Cash Flow Statement

This report shows the draft cash flow status for the year ended December 2018.

Accounts	2018
Operating Activities	
Net Income	1,112,972
Adjustments to Profit/(Loss)	
Accounts Receivable	341,140
Other Current Asset	-34,089
Accounts Payable	162,424
Sales Tax Payable	-4,976
Other Current Liability	786,712
Total Adjustments to Profit/(Loss)	1,251,211
Total Operating Activities	2,364,183
Investing Activities	
Fixed Asset	273,557
Other Asset	-1,967,854
Total Investing Activities	-1,694,297
Financing Activities	
Long Term Liability	-64,478
Equity	0
Total Financing Activities	-64,478
Net Change in Cash for Period	605,408
Cash at Beginning of Period	7,850,592
Cash at End of Period	8,456,000

Table 8. Cash Flow Statement

5.2 Capital Reserve

The Reserve is diversified between Cash Investments, Investment Portfolio, and Property (APNIC office). At the end of December, APNIC maintained \$8.5M in cash reserves, \$24.9M in the investment portfolio and \$5.9M in Property. Figure 3 below tracks the value and the allocation of these reserves over time, against operating expenses for each year.

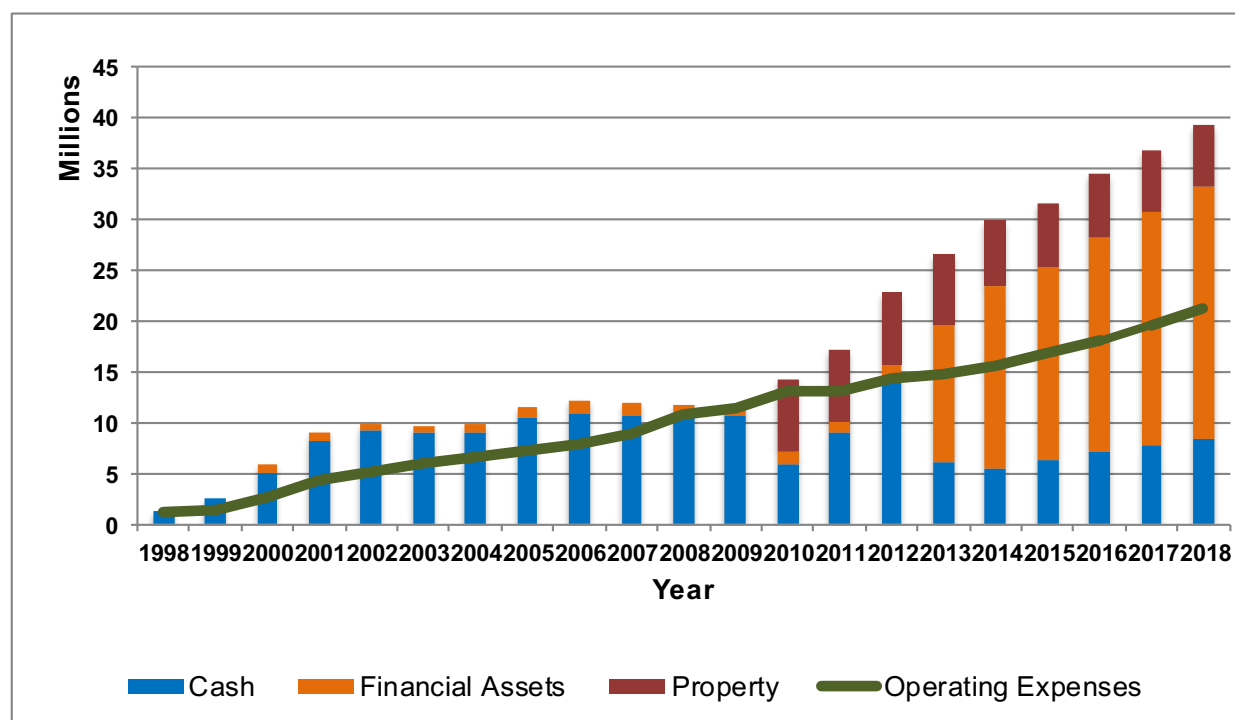


Figure 3. APNIC Reserves

5.3 Investment Policy

The amount of \$24.9M at the end of 2018 comprised invested funds, capital growth and reinvested returns in the Credit Suisse investment management account. \$1.5M of surplus fund from the operating account was transferred to the investment portfolio during the year. Please refer to the attached investment report outlining the performance of the portfolio.

5.4 APNIC's Equity and Reserves

By comparing the Total Equity (including retained earnings and unrealised capital gains) to the Daily Operating Costs, the number of month's coverage of operational expenses is set out below:

	2018	2017	2016	2015
Total Equity	\$28,820,985	\$27,708,013	\$25,647,507	\$23,319,460
% Equity covered by Cash/ Cash Equivalents	115.6%	111.0%	110.6%	121.6%
Actual Daily Operating Expenses	\$58,122	\$53,909	\$49,430	\$46,077
Number of Months of expenses covered by Equity	16.30	16.90	17.01	16.64

Table 9. Equity and Reserves

6 Membership

6.1 Membership Statistics

As at the end of December 2018, APNIC had a total of 7,162 Members serving 54 economies.

6.2 Membership by Category

The table below shows the yearly changes in membership for past six years:

Membership fees	2013	2014	2015	2016	2017	2018
Extra Large	20	21	22	22	23	24
Very Large	43	40	44	43	41	44
Large	147	142	137	138	138	143
Medium	392	402	431	449	473	483
Small	1,198	1,388	2,165	2,643	2,971	3,376
Very Small	1,294	1,701	2,336	2,590	2,769	2,967
Associate	957	924	133	109	132	125
Total	4,051	4,618	5,268	5,994	6,547	7,162
New	813	805	968	1,048	849	825
Close	296	238	318	322	296	210
Total	517	567	650	726	553	615
Average Monthly Gain	43	47	54	61	46	51

Table 10. Membership by Category

6.3 Membership by Economy

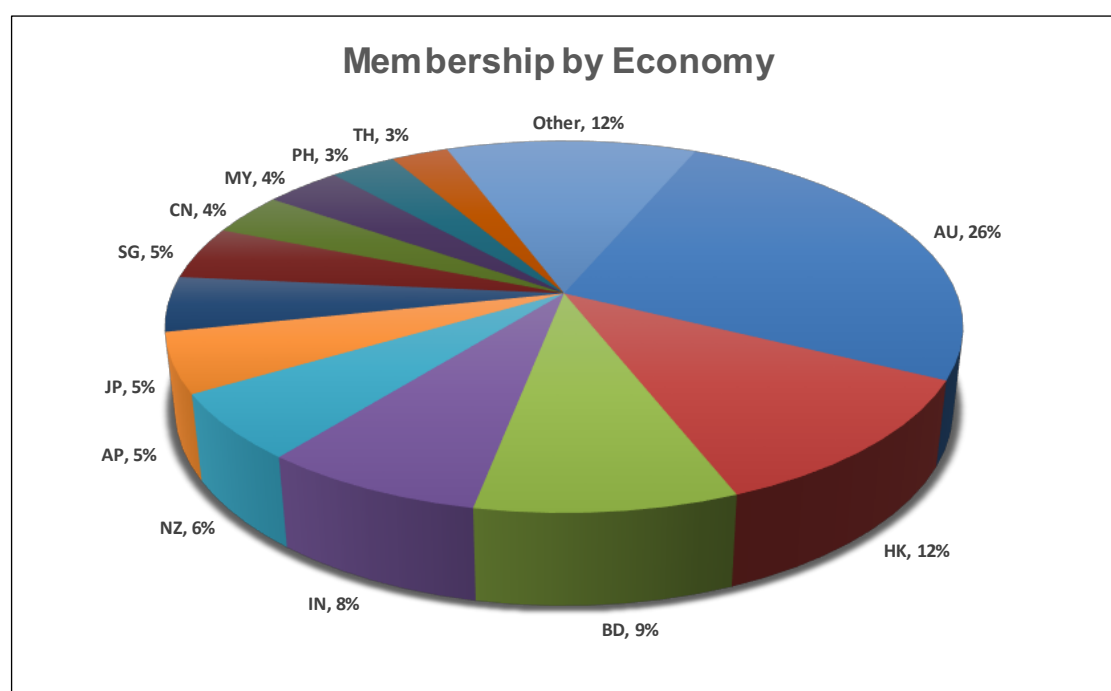


Figure 4. Membership by Economy

6.4 Membership Growth

APNIC membership monthly movements are illustrated at Figure 5 below. Membership growth for 2018 has been incorporated in this graph to track monthly growth.

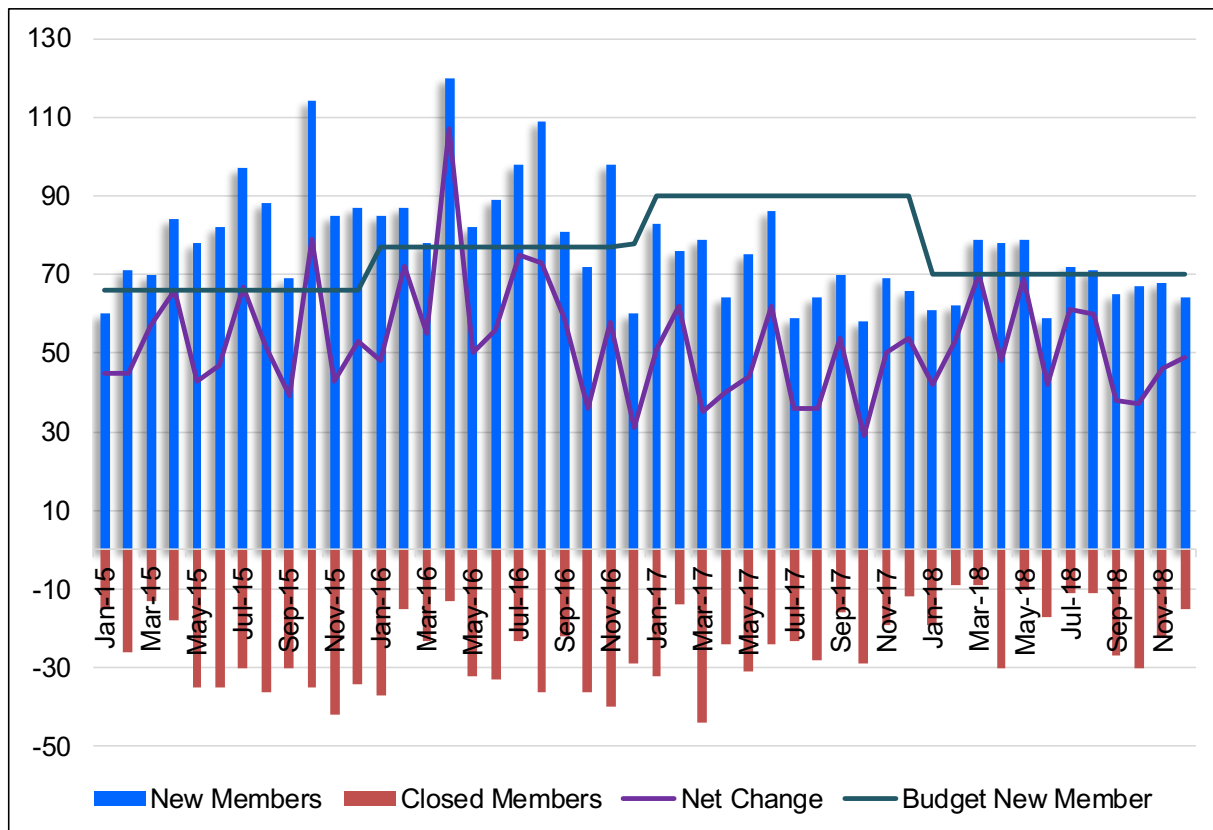


Figure 5. Membership Growth Analysis

Figure 6 below illustrates Membership growth by membership tier:

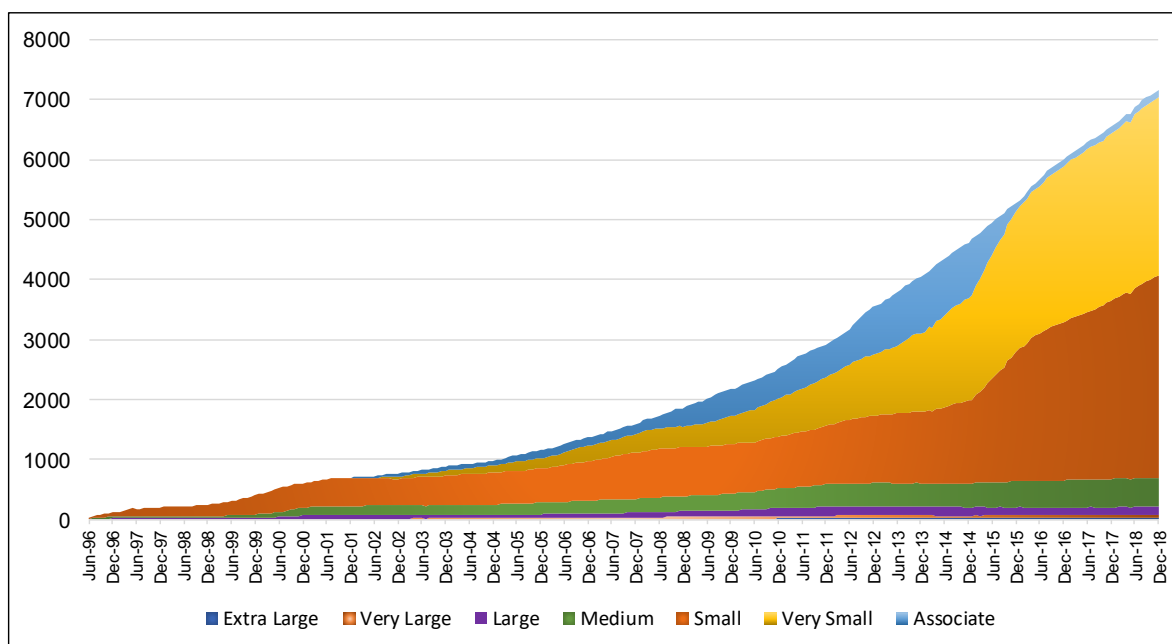


Figure 6. Total Membership

6.5 Year-to-Date Membership Movement by Economy

Figure 7 below shows new and closed membership movement by economy as at end of December 2018.

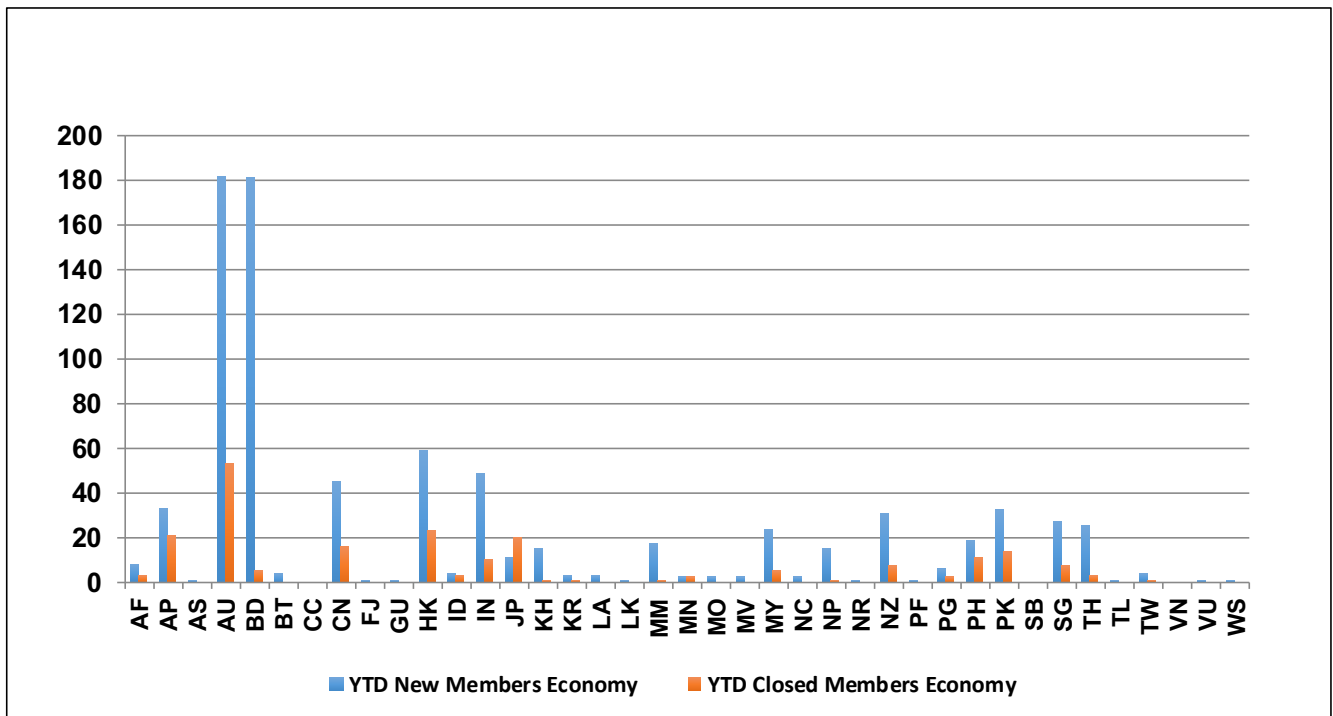


Figure 7. New and Closed Members Analysis

6.6 Membership Closures Analysis

Figure 8 below provides an analysis of Membership closures as at the end of December. 77% of the closures related to accounts closed due to the failure to establish contact or the business is no longer operating, and resource holdings are returned to APNIC.

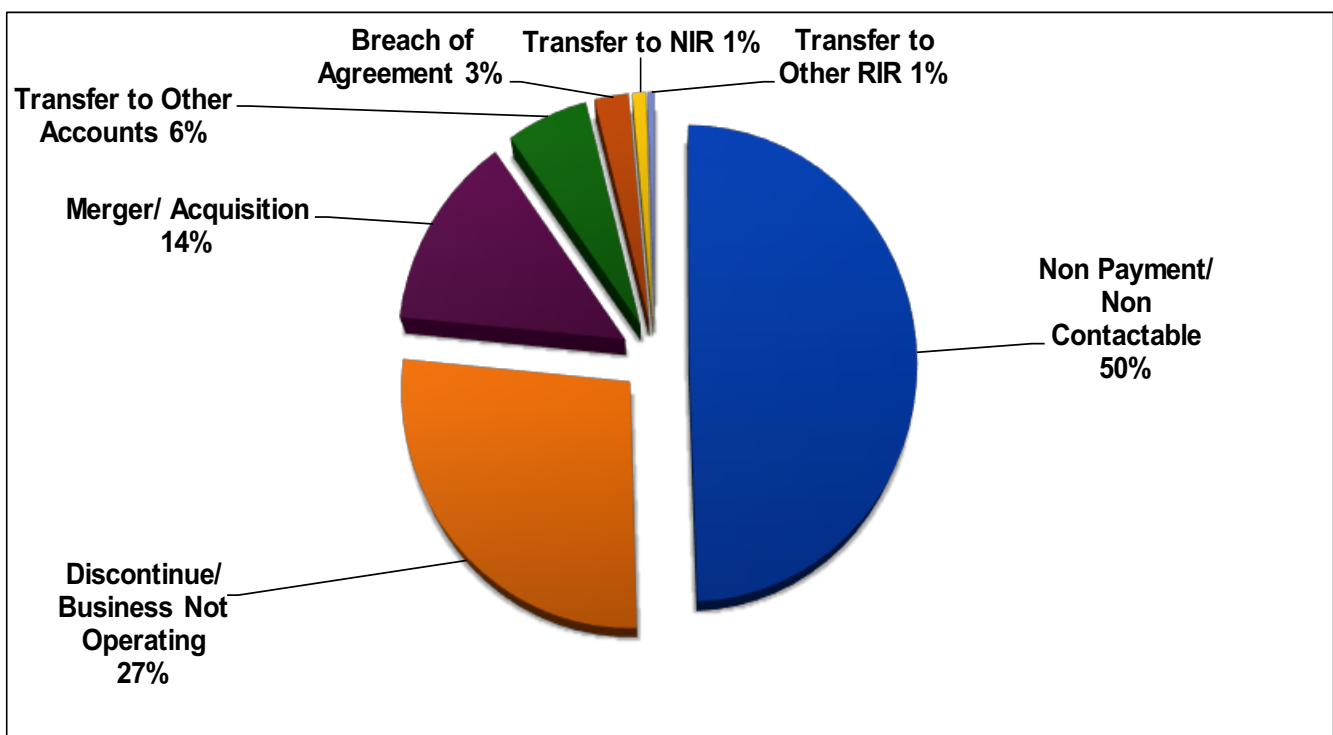


Figure 8. Closure Analysis

6.7 Membership Closures by Economy

Economy	Breach of Agreement	Discontinue/ Business Not Operating	Merger/ Acquisition	Non Payment/ Non Contactable	Transfer to NIR	Transfer to Other Accounts	Transfer to Other RIR	Grand Total	IPV4 Resources Reclaimed (/24's)	IPV6 Resources Reclaimed (/48's)	ASN Reclaimed
AF				3				3	9	65537	3
AP		5	5	7		2		19	31	589826	4
AU		12	13	20		8		53	73	524295	22
BD		1		4				5	13	655361	4
CN	2	2	1	10			1	16	42	393217	18
HK	2	8	1	11		1		23	74	327683	15
ID				1	2			3	6		3
IN		3	1	6				10	14	65538	8
JP		11	4	6				21	60	131072	1
KH			1					1			
KR				1				1	4		
MM				2				2	6		2
MN				2				2	2	65536	2
MY		2		3				5	56	327680	5
NP				1				1	16	65536	1
NZ		3	1	2		1		7	11	262146	6
PG				2				2	4	65536	1
PH		2		9				11	78	1	10
PK	1	3		10				14		196608	9
SG		3		3		1		7	12	131072	4
TH		1		1		1		3	8	65536	2
TW			1					1			
Grand Total	5	56	28	104	2	14	1	210	519	3932180	120

Table 11. Membership Closure by Economy

6.8 Membership Closures by Year Joined

Year Joined	Breach of Agreement	Discontinue/ Business Not Operating	Merger/ Acquisition	Non Payment/ Non Contactable	Transfer to NIR	Transfer to Other Accounts	Transfer to Other RIR	Grand Total
1998				1				1
1999		1				1		2
2001		1				1		2
2002			1					1
2003				1				1
2004			1			1		2
2005		1	2	2		1		6
2006			2	2				4
2007			2	2		2		6
2008			1	2		1		4
2009			1	5		1		7
2010		1	1	2				4
2011		2	3	3	1	1		10
2012		8	5	15		2		30
2013		13	4	7		1		25
2014	1	5		4	1	1		12
2015	1	7	2	13		1		24
2016	2	8	3	19			1	33
2017		7		26				33
2018	1	2						3
Grand Total	5	56	28	104	2	14	1	210

Table 12. Membership Closure by Year Joined

APNIC Pty Ltd

ABN 42 081 528 010

**Special purpose annual report
for the year ended 31 December 2018**

APNIC Pty Ltd

ABN 42 081 528 010

Special purpose annual report - 31 December 2018

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Your director presents his report on APNIC Pty Ltd (hereafter referred to as the "Company") for the year ended 31 December 2018.

Director

Paul Byron Wilson was the director of APNIC Pty Ltd during the whole of the financial year and up to the date of this report.

Principal activities

The Company's principal continuing activity during the year was to act as a non-profit internet registry organisation for the Asia-Pacific region.

There was no significant change in the nature of the activity of the Company during the year.

Dividends

The Company does not pay or declare dividends due to its non-profit status as determined by its constituent documents.

Review of operations

The profit before tax and fair value loss on financial assets amounted to \$1,086,512 (2017: \$1,472,816).

The fair value decrement in profit or loss in 2018 was \$73,475. This was nil in 2017 as financial assets were designated through other comprehensive income for which there was a 2017 fair value increment of \$505,407. The profit from ordinary activities after income tax amounted to \$1,112,972 (2017: \$1,555,100).

Significant changes in the state of affairs

There have been no significant changes in the state of affairs of the Company during the year.

Matters subsequent to the end of the financial year

No matter or circumstance has arisen since 31 December 2018 that has significantly affected the Company's operations, results or state of affairs, or may do so in future years.

Likely developments and expected results of operations

In the foreseeable future it is expected that the Company will continue its principal activity as described above.

Environmental regulation

The Company is not affected by any significant environmental regulation in respect of its operations.

Insurance of officers

During the financial year, APNIC Pty Ltd paid a premium of \$20,500 (2017: \$19,134) to insure the director, officeholders (including executive council) and staff of the Company.

The liabilities insured are legal costs that may be incurred in defending civil or criminal proceedings that may be brought against the officers in their capacity as officers of entities in the Company, and any other payments arising from liabilities incurred by the officers in connection with such proceedings. This does not include such liabilities that arise from conduct involving a wilful breach of duty by the officers or the improper use by the officers of their position or of information to gain advantage for themselves or someone else or to cause detriment to the Company. It is not possible to apportion the premium between amounts relating to the insurance against legal costs and those relating to other liabilities.

Proceedings on behalf of the Company

No person has applied to the Court under section 237 of the *Corporations Act 2001* for leave to bring proceedings on behalf of the Company, or to intervene in any proceedings to which the Company is a party, for the purpose of taking responsibility on behalf of the Company for all or part of those proceedings.

No proceedings have been brought or intervened in on behalf of the Company with leave of the Court under section 237 of the *Corporations Act 2001*.

Auditor

PricewaterhouseCoopers continues in office in accordance with section 327 of the *Corporations Act 2001*.

Auditor's independence declaration

A copy of the auditor's independence declaration as required under section 307C of the *Corporations Act 2001* is set out on page 3.

Rounding of amounts

The Company is of a kind referred to in ASIC Legislative Instrument 2016/191, issued by the Australian Securities and Investments Commission, relating to the 'rounding off' of amounts in the director's report. Amounts in the director's report have been rounded off in accordance with that instrument to the nearest dollar.



Paul Byron Wilson
Director

Brisbane
13 February 2019



Auditor's Independence Declaration

As lead auditor for the audit of APNIC Pty Ltd for the year ended 31 December 2018, I declare that to the best of my knowledge and belief, there have been:

- (a) no contraventions of the auditor independence requirements of the *Corporations Act 2001* in relation to the audit; and
- (b) no contraventions of any applicable code of professional conduct in relation to the audit.

This declaration is in respect of APNIC Pty Ltd.

A handwritten signature in blue ink, appearing to read 'Andrew Weeden', with a horizontal line extending to the right.

Andrew Weeden
Partner
PricewaterhouseCoopers

Brisbane
13 February 2019

APNIC Pty Ltd

ABN 42 081 528 010

Special purpose annual report - 31 December 2018

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These financial statements are the financial statements of APNIC Pty Ltd as an individual entity. The financial statements are presented in the Australian dollar (\$).

APNIC Pty Ltd is a Company limited by shares, incorporated and domiciled in Australia. Its registered office and principal place of business is:

6 Cordelia Street,
South Brisbane, Queensland, 4101.

A description of the nature of the entity's operations and its principal activities is included in the director's report on page 1, which is not part of these financial statements.

The financial statements were authorised for issue by the director on 13 February 2019. The director has the power to amend and reissue the financial statements.

APNIC Pty Ltd
Statement of profit or loss and other comprehensive income
For the year ended 31 December 2018

	Notes	2018 \$	2017 \$
Revenue from contracts with customers	2	20,981,059	20,098,862
Other income	3(a)	1,306,052	1,338,304
Other gains (losses) - net	3(b)	6,274	(23,014)
Employee benefits expense		(12,161,645)	(11,245,073)
Professional fees		(1,458,388)	(1,304,343)
Travel expenses		(2,165,459)	(2,161,034)
Depreciation expense		(856,029)	(807,596)
Communications and meeting expenses		(748,854)	(787,555)
Contribution to APNIC Foundation		(732,710)	(665,058)
Computer expenses		(817,599)	(647,453)
Contributions to ICANN		(278,866)	(244,657)
Insurance		(189,738)	(173,610)
Donations and sponsorships		(630,401)	(578,080)
Occupancy costs		(396,698)	(395,477)
Other expenses		(770,486)	(931,400)
Profit before tax and fair value loss on financial assets		<u>1,086,512</u>	<u>1,472,816</u>
Fair value loss on financial assets at fair value through profit or loss		(73,475)	-
Profit before income tax		<u>1,013,037</u>	<u>1,472,816</u>
Income tax benefit		99,935	82,284
Profit for the year		<u>1,112,972</u>	<u>1,555,100</u>
Other comprehensive income			
<i>Item that may be reclassified to profit or loss</i>			
Changes in the fair value of available-for-sale financial assets	16(a)	-	505,407
Other comprehensive income for the year, net of tax		-	<u>505,407</u>
Total comprehensive income for the year		<u>1,112,972</u>	<u>2,060,507</u>
Total comprehensive income for the year is attributable to:			
Owners of APNIC Pty Ltd		<u>1,112,972</u>	<u>2,060,507</u>

The above statement of profit or loss and other comprehensive income should be read in conjunction with the accompanying notes.

APNIC Pty Ltd
Statement of financial position
As at 31 December 2018

	Notes	2018 \$	2017 \$
ASSETS			
Current assets			
Cash and cash equivalents	4	4,298,431	3,629,427
Trade and other receivables	5	5,155,361	5,526,829
Other current assets	6	665,666	748,981
Total current assets		10,119,458	9,905,237
Non-current assets			
Available-for-sale financial assets	7	24,861,226	22,893,372
Property, plant and equipment	8	7,472,353	7,745,911
Deferred tax assets	9	286,537	202,401
Total non-current assets		32,620,116	30,841,684
Total assets		42,739,574	40,746,921
LIABILITIES			
Current liabilities			
Trade and other payables	10	1,241,761	1,086,670
Provisions	11	1,743,961	1,424,271
Unearned income	13	10,227,970	9,742,793
Total current liabilities		13,213,692	12,253,734
Non-current liabilities			
Deferred tax liabilities	12	450,313	466,112
Provisions	11	254,584	319,062
Total non-current liabilities		704,897	785,174
Total liabilities		13,918,589	13,038,908
Net assets		28,820,985	27,708,013
EQUITY			
Contributed equity	15	1	1
Other reserves	16(a)	-	1,156,552
Retained earnings	16(b)	28,820,984	26,551,460
Total equity		28,820,985	27,708,013

The above statement of financial position should be read in conjunction with the accompanying notes.

APNIC Pty Ltd
Statement of changes in equity
For the year ended 31 December 2018

	Share capital \$	Other reserves \$	Retained earnings \$	Total equity \$
Balance at 1 January 2017	1	651,145	24,996,360	25,647,506
Profit for the year	-	-	1,555,100	1,555,100
Other comprehensive income	-	505,407	-	505,407
Total comprehensive income for the year	-	505,407	1,555,100	2,060,507
Balance at 31 December 2017	1	1,156,552	26,551,460	27,708,013
	Share capital \$	Other reserves \$	Retained earnings \$	Total equity \$
Balance at 1 January 2018	1	1,156,552	26,551,460	27,708,013
Adjustment on adoption of AASB 9 (net of tax)	-	(1,156,552)	1,156,552	-
Restated total equity at the beginning of the financial year	1	-	27,708,012	27,708,013
Profit for the year	-	-	1,112,972	1,112,972
Total comprehensive income for the year	-	-	1,112,972	1,112,972
Balance at 31 December 2018	1	-	28,820,984	28,820,985

The above statement of changes in equity should be read in conjunction with the accompanying notes.

APNIC Pty Ltd
Statement of cash flows
For the year ended 31 December 2018

	Notes	2018 \$	2017 \$
Cash flows from operating activities			
Receipts from customers (inclusive of GST)		22,653,493	20,790,523
Payments to suppliers and employees (inclusive of GST)		(20,141,716)	(19,234,261)
Grants received		32,312	338,550
Interest received		196,868	167,515
Net cash inflow from operating activities	20	<u>2,740,957</u>	<u>2,062,327</u>
Cash flows from investing activities			
Transfers to short term deposits		-	(2,750,000)
Payments for property, plant and equipment		(601,930)	(682,417)
Proceeds from sale of property, plant and equipment		7,075	3,096
Purchase of available-for-sale financial assets		(1,500,000)	(500,014)
Net cash (outflow) from investing activities		<u>(2,094,855)</u>	<u>(3,929,335)</u>
Net increase (decrease) in cash and cash equivalents		646,102	(1,867,008)
Cash and cash equivalents at the beginning of the financial year		3,629,427	5,518,359
Effects of exchange rate changes on cash and cash equivalents		22,902	(21,924)
Cash and cash equivalents at end of year	4	<u>4,298,431</u>	<u>3,629,427</u>

The above statement of cash flows should be read in conjunction with the accompanying notes.

1 Summary of significant accounting policies

This note provides a list of all significant accounting policies adopted in the preparation of these financial statements. These policies have been consistently applied to all the years presented, unless otherwise stated. The financial statements are for APNIC Pty Ltd.

(a) Basis of preparation

(i) *Special purpose annual report*

In the director's opinion, the Company is not a reporting entity because there are no users dependent on general purpose financial reports.

This is a special purpose annual report that has been prepared at the request of the Executive Council for the interest of the APNIC members and for the purpose of complying with the *Corporations Act 2001* requirements to prepare and distribute a financial report to the members and must not be used for any other purpose.

The financial report has been prepared in accordance with the recognition and measurement principles of all applicable Australian Accounting Standards and Interpretations issued by the Australian Accounting Standards Board and the *Corporations Act 2001*. It contains the disclosures that are mandatory under the Accounting Standards and those considered necessary by the director to meet the needs of the members. The Company is a not-for-profit entity for the purpose of preparing the financial report.

(ii) *Historical cost convention*

These financial statements have been prepared under the historical cost convention, as modified by the revaluation of available-for-sale financial assets.

(iii) *New and amended standards adopted by the Company*

The Company has applied the following standards and amendments for the first time in their annual reporting period commencing 1 January 2018:

- AASB 9 *Financial Instruments*
- AASB 15 *Revenue from Contracts with Customers*

The Company had to change its accounting policies following the adoption of AASB 9 and AASB 15 and has adopted these in accordance with the respective transitional provisions.

AASB15 adoption did not result in any significant impacts to amounts recognised in prior years or in the current year.

AASB 9 adoption has resulted in a reclassification of the Company's financial assets and applies to the entire portfolio of units held in management investment funds. The reclassification is adjusting the financial assets from fair value through other comprehensive income to fair value through profit or loss in the year ended 31 December 2018.

This Company has adopted AASB 9 retrospectively, but has elected not to restate comparative information. As a result, there is no impact to the prior year profit and the reserve balance of \$1,156,552 at 1 January 2018 has been transferred to retained earnings.

1 Summary of significant accounting policies (continued)

(a) Basis of preparation (continued)

(iv) New standards and interpretations not yet adopted

Certain new accounting standards and interpretations have been published that are not mandatory for 31 December 2018 reporting periods and have not been early adopted by the Company. The Company's assessment of the impact of these new standards and interpretations is set out below.

Title of standard	AASB 16 Leases
Nature of change	AASB 16 will result in almost all leases being recognised on the statement of financial position by lessees, as the distinction between operating and finance leases is removed. Under the new standard, an asset (the right to use the leased item) and a financial liability to pay rentals are recognised. The only exceptions are short-term and low-value leases.
Impact	The Company has reviewed all of the Company's leasing arrangements over the last year in light of the new lease accounting rules in AASB 16. As at the reporting date, the Company has no non-cancellable operating lease commitments.
Mandatory application date/ Date of adoption by Company	The Company will apply the standard from its mandatory adoption date of 1 January 2019.

There are no other standards that are not yet effective and that would be expected to have a material impact on the entity in the current or future reporting years and on foreseeable future transactions.

(b) Foreign currency translation

(i) Functional and presentation currency

Items included in the financial statements are measured using the currency of the primary economic environment in which the entity operates ('the functional currency'). The financial statements are presented in Australian dollars, which is APNIC Pty Ltd's functional and presentation currency.

(ii) Transactions and balances

Foreign currency transactions are translated into the functional currency using the exchange rates prevailing at the dates of the transactions. Foreign exchange gains and losses resulting from the settlement of such transactions and from the translation at year end exchange rates of monetary assets and liabilities denominated in foreign currencies are recognised in profit or loss.

(c) Revenue recognition

The Company recognises revenue when the amount of revenue can be reliably measured, it is probable that future economic benefits will flow to the entity and specific criteria have been met for each of the Company's activities as described below. The Company bases its estimates on historical results, taking into consideration the type of customer, the type of transaction and the specifics of each arrangement.

Revenue is recognised for the major business activities using the methods outlined below.

(i) Member fees

Member fees, reactivation fees and application fees are recognised over time where the performance obligation is satisfied over the period of membership. Member fees received in advance of the service being provided are classified as unearned income. Transfer fees are recognised at a point in time where the performance obligation is satisfied when the service is performed.

1 Summary of significant accounting policies (continued)

(c) Revenue recognition (continued)

(ii) Interest income

Interest income is recognised when control of a right to receive consideration for the provision of, or investment in, assets has been attained.

(d) Grants

Grants relating to costs are deferred and recognised in profit or loss over the period necessary to match them with the costs that they are intended to compensate.

Grants are recognised at their fair value where there is a reasonable assurance that the grant will be received and the Company will comply with all attached conditions.

(e) Income tax

The income tax expense or revenue for the period is the tax payable on the current period's taxable income based on the applicable income tax rate adjusted by changes in deferred tax assets and liabilities attributable to temporary differences and to unused tax losses.

The current income tax charge is calculated on the basis of the tax laws enacted or substantively enacted at the end of the reporting period in the country where the Company operates and generates taxable income. Management periodically evaluates positions taken in tax returns with respect to situations in which applicable tax regulation is subject to interpretation. It establishes provisions where appropriate on the basis of amounts expected to be paid to the tax authorities.

Deferred income tax is provided in full, using the liability method, on temporary differences arising between the tax bases of assets and liabilities and their carrying amounts in the financial statements. Deferred income tax is also not accounted for if it arises from initial recognition of an asset or liability in a transaction other than a business combination that at the time of the transaction affects neither accounting nor taxable profit or loss. Deferred income tax is determined using tax rates (and laws) that have been enacted or substantially enacted by the end of the reporting period and are expected to apply when the related deferred income tax asset is realised or the deferred income tax liability is settled.

Deferred tax assets are recognised only if it is probable that future taxable amounts will be available to utilise those temporary differences and losses.

Deferred tax assets and liabilities are offset when there is a legally enforceable right to offset current tax assets and liabilities and when the deferred tax balances relate to the same taxation authority. Current tax assets and tax liabilities are offset where the entity has a legally enforceable right to offset and intends either to settle on a net basis, or to realise the asset and settle the liability simultaneously.

APNIC has self-assessed that the "principle of mutuality" applies to its affairs and has calculated its income tax using this principle for the year ended 31 December 2018.

(f) Impairment of assets

Assets are tested for impairment whenever events or changes in circumstances indicate that the carrying amount may not be recoverable. An impairment loss is recognised for the amount by which the asset's carrying amount exceeds its recoverable amount. The recoverable amount is the higher of an asset's fair value less costs to sell and value-in-use.

(g) Cash and cash equivalents

For the purpose of presentation in the statement of cash flows, cash and cash equivalents includes cash on hand, deposits held at call with financial institutions, other short-term, highly liquid investments with original maturities of three months or less that are readily convertible to known amounts of cash and which are subject to an insignificant risk of changes in value, and bank overdrafts. Bank overdrafts are shown within borrowings in current liabilities in the statement of financial position.

1 Summary of significant accounting policies (continued)

(h) Trade receivables

Trade receivables are amounts due from customers for services performed in the ordinary course of business. They are generally due for settlement within 30 days and therefore are all classified as current. Trade receivables are recognised initially at the amount of consideration that is unconditional unless they contain significant financing components, when they are recognised at fair value. The Company holds the trade receivables with the objective to collect the contractual cash flows and therefore measures them subsequently at amortised cost using the effective interest method, less loss allowance.

Collectability of trade receivables is reviewed on an ongoing basis. Debts which are known to be uncollectible are written off by reducing the carrying amount directly. An allowance account (provision for impairment of trade receivables) is used when there is objective evidence that the Company will not be able to collect all amounts due according to the original terms of the receivables. Significant financial difficulties of the debtor, probability that the debtor will enter bankruptcy or financial reorganisation, and default or delinquency in payments (more than 30 days overdue) are considered indicators that the trade receivable is impaired. The amount of the impairment allowance is the difference between the asset's carrying amount and the present value of estimated future cash flows, discounted at the original effective interest rate. Cash flows relating to short-term receivables are not discounted if the effect of discounting is immaterial.

The amount of the impairment loss is recognised in profit or loss within other expenses. When a trade receivable for which an impairment allowance had been recognised becomes uncollectible in a subsequent period, it is written off against the allowance account. Subsequent recoveries of amounts previously written off are credited against other expenses in profit or loss.

(i) Investments and other financial assets

(i) Classification

From 1 January 2018, the Company classifies its financial assets in the following measurement categories:

- those to be measured subsequently at fair value (either through OCI or through profit or loss), and
- those to be measured at amortised cost.

The classification depends on the entity's business model for managing the financial assets and the contractual terms of the cash flows.

For assets measured at fair value, gains and losses will either be recorded in profit or loss or OCI. For investments in equity instruments that are not held for trading, this will depend on whether the Company has made an irrevocable election at the time of initial recognition to account for the equity investment at fair value through other comprehensive income (FVOCI).

(ii) Recognition and derecognition

Regular way purchases and sales of financial assets are recognised on trade-date, the date on which the Company commits to purchase or sell the asset. Financial assets are derecognised when the rights to receive cash flows from the financial assets have expired or have been transferred and the Company has transferred substantially all the risks and rewards of ownership.

(iii) Measurement

Debt instruments

Subsequent measurement of debt instruments depends on the Company's business model for managing the asset and the cash flow characteristics of the asset. There are three measurement categories into which the Company classifies its debt instruments:

1 Summary of significant accounting policies (continued)

(i) Investments and other financial assets (continued)

(iii) Measurement (continued)

Debt instruments (continued)

- **Amortised cost:** Assets that are held for collection of contractual cash flows where those cash flows represent solely payments of principal and interest are measured at amortised cost. Interest income from these financial assets is included in finance income using the effective interest rate method. Any gain or loss arising on derecognition is recognised directly in profit or loss and presented in other gains/(losses) together with foreign exchange gains and losses. Impairment losses are presented as separate line item in the operating statement.
- **FVOCI:** Assets that are held for collection of contractual cash flows and for selling the financial assets, where the assets' cash flows represent solely payments of principal and interest, are measured at FVOCI. Movements in the carrying amount are taken through OCI, except for the recognition of impairment gains or losses, interest income and foreign exchange gains and losses which are recognised in profit or loss. When the financial asset is derecognised, the cumulative gain or loss previously recognised in OCI is reclassified from equity to profit or loss and recognised in other gains/(losses). Interest income from these financial assets is included in finance income using the effective interest rate method. Foreign exchange gains and losses are presented in other gains/(losses) and impairment expenses are presented as separate line item in the operating statement.
- **FVPL:** Assets that do not meet the criteria for amortised cost or FVOCI are measured at FVPL. A gain or loss on a debt investment that is subsequently measured at FVPL is recognised in profit or loss and presented net within other gains/(losses) in the period in which it arises.

Equity instruments

The Company subsequently measures all equity investments at fair value. Where the Company's management has elected to present fair value gains and losses on equity investments in OCI, there is no subsequent reclassification of fair value gains and losses to profit or loss following the derecognition of the investment. Dividends from such investments continue to be recognised in profit or loss as other income when the Company's right to receive payments is established.

Changes in the fair value of financial assets at FVPL are recognised in other gains/(losses) in the statement of profit or loss and other comprehensive income as applicable. Impairment losses (and reversal of impairment losses) on equity investments measured at FVOCI are not reported separately from other changes in fair value.

(iv) Impairment

From 1 January 2018, the Company assesses on a forward looking basis the expected credit losses associated with its debt instruments carried at amortised cost and FVOCI. The impairment methodology applied depends on whether there has been a significant increase in credit risk.

For trade receivables, the Company applies the simplified approach permitted by AASB 9, which requires expected lifetime losses to be recognised from initial recognition of the receivables.

Impairment losses on equity instruments that were recognised in profit or loss were not reversed through profit or loss in a subsequent year.

(v) Accounting policies applied until 31 December 2017

The Company has applied AASB 9 retrospectively, but has elected not to restate comparative information. As a result, the comparative information provided continues to be accounted for in accordance with the Company's previous accounting policy.

1 Summary of significant accounting policies (continued)

(i) Investments and other financial assets (continued)

(v) Accounting policies applied until 31 December 2017 (continued)

Classification

Until 31 December 2017, the Company classified its financial assets in the following categories:

- financial assets at fair value through profit or loss,
- loans and receivables,
- held-to-maturity investments, and
- available-for-sale financial assets.

The classification depended on the purpose for which the investments were acquired. Management determined the classification of its investments at initial recognition and, in the case of assets classified as held-to-maturity, re-evaluated this designation at the end of each reporting year.

Reclassification

Reclassifications were made at fair value as of the reclassification date. Fair value became the new cost or amortised cost as applicable, and no reversals of fair value gains or losses recorded before reclassification date were subsequently made. Effective interest rates for financial assets reclassified to loans and receivables and held-to-maturity categories were determined at the reclassification date. Further increases in estimates of cash flows adjusted effective interest rates prospectively.

Subsequent measurement

The measurement at initial recognition did not change on adoption of AASB 9, see description above.

Available-for-sale financial assets are subsequently carried at fair value. Unrealised gains and losses arising from changes in the fair value of non monetary securities classified as available-for-sale are recognised in equity in the available-for-sale investment revaluation reserve. When securities classified as available-for-sale are sold or impaired, the accumulated fair value adjustments are included in the statement of profit or loss and other comprehensive income as gains and losses from investment securities.

The fair values of quoted investments are based on current bid prices. If the market for a financial asset is not active (and for unlisted securities), the Company establishes fair value by obtaining independent valuation statements or by using valuation techniques. These include the use of recent arm's length transactions, reference to other instruments that are substantially the same, discounted cash flow analysis, and option pricing models making maximum use of market inputs and relying as little as possible on entity specific inputs.

(j) Property, plant and equipment

Property, plant and equipment is stated at historical cost less depreciation. Historical cost includes expenditure that is directly attributable to the acquisition of the items.

Subsequent costs are included in the asset's carrying amount or recognised as a separate asset, as appropriate, only when it is probable that future economic benefits associated with the item will flow to the Company and the cost of the item can be measured reliably. The carrying amount of any component accounted for as a separate asset is derecognised when replaced. All other repairs and maintenance are charged to profit or loss during the reporting year in which they are incurred.

Depreciation on assets acquired are calculated using the straight-line method to allocate their cost or revalued amounts, net of their residual values, over their estimated useful lives as follows:

- | | |
|---------------------------|------------|
| - Property related assets | 2.5 - 50%% |
| - Computer equipment | 5 - 50% |

1 Summary of significant accounting policies (continued)

(j) Property, plant and equipment (continued)

The assets' residual values and useful lives are reviewed, and adjusted if appropriate, at the end of each reporting year.

An asset's carrying amount is written down immediately to its recoverable amount if the asset's carrying amount is greater than its estimated recoverable amount (note 1(f)).

Gains and losses on disposals are determined by comparing proceeds with carrying amount. These are included in profit or loss.

(k) Trade and other payables

These amounts represent liabilities for goods and services provided to the Company prior to the end of financial year which are unpaid. The amounts are unsecured and are usually paid within 30 days of recognition.

(l) Employee benefits

(i) Short-term obligations

Liabilities for wages and salaries, including non-monetary benefits, bonus, time-in-lieu, annual leave and accumulating sick leave expected to be settled within 12 months after the end of the period in which the employees render the related service are recognised in respect of employee's services up to the end of the reporting period and are measured at the amounts expected to be paid when the liabilities are settled. The liability for annual leave and accumulating sick leave is recognised in the provision for employee benefits. All other short-term employee benefit obligations are presented as payables.

(ii) Other long-term employee benefit obligations

The Company also has liabilities for long service leave and annual leave that are not expected to be settled wholly within 12 months after the end of the year in which the employees render the related service. These obligations are therefore measured as the present value of expected future payments to be made in respect of services provided by employees up to the end of the reporting year using the projected unit credit method. Consideration is given to expected future wage and salary levels, experience of employee departures and years of service. Expected future payments are discounted using market yields at the end of the reporting year of high-quality corporate bonds with terms and currencies that match, as closely as possible, the estimated future cash outflows. Remeasurements as a result of experience adjustments and changes in actuarial assumptions are recognised in profit or loss.

The obligations are presented as current liabilities in the statement of financial position if the entity does not have an unconditional right to defer settlement for at least twelve months after the reporting date, regardless of when the actual settlement is expected to occur.

(m) Goods and Services Tax (GST)

Revenues, expenses and assets are recognised net of the amount of associated GST, unless the GST incurred is not recoverable from the taxation authority. In this case it is recognised as part of the cost of acquisition of the asset or as part of the expense.

Receivables and payables are stated inclusive of the amount of GST receivable or payable. The net amount of GST recoverable from, or payable to, the taxation authority is included with other receivables or payables in the statement of financial position.

Cash flows are presented on a gross basis. The GST components of cash flows arising from investing or financing activities which are recoverable from, or payable to the taxation authority, are presented as operating cash flows.

1 Summary of significant accounting policies (continued)

(n) Rounding of amounts

The Company is of a kind referred to in ASIC Legislative Instrument 2016/191, issued by the Australian Securities and Investments Commission, relating to the 'rounding off' of amounts in the financial statements. Amounts in the financial statements have been rounded off in accordance with that instrument to the nearest dollar.

2 Revenue from contracts with customers

	2018 \$	2017 \$
Membership fees	20,213,860	19,310,962
Non-membership fees	251,054	260,010
Sign-up fees	330,000	373,250
Transfer fees	164,145	127,440
Member reactivation fees	22,000	26,000
Non-member reactivation fees	-	1,200
Total revenue from continuing operations	20,981,059	20,098,862

(a) Disaggregation of revenue from contracts with customers

The Company derives revenue from the transfer of services over time and at a point in time as follows:

	2018 \$	2017 \$
Revenue from transfer of services over time	20,816,914	19,971,422
Revenue from transfer of services at a point in time	164,145	127,440
	20,981,059	20,098,862

3 Other income and expense items

(a) Other income

	2018 \$	2017 \$
Investment distribution income	683,763	671,883
Interest income	188,271	169,197
Grant income	4,737	265,469
Sundry income	429,281	231,755
	1,306,052	1,338,304

(b) Other gains (losses) - net

	2018 \$	2017 \$
Net gain (loss) on disposal of property, plant and equipment	(12,384)	(1,059)
Net foreign exchange gains (losses)	18,658	(21,955)
	6,274	(23,014)

4 Cash and cash equivalents

	2018 \$	2017 \$
Current assets		
Petty cash	400	400
Cash at bank	4,298,031	3,629,027
	<u>4,298,431</u>	<u>3,629,427</u>

5 Trade and other receivables

	2018 \$	2017 \$
Current assets		
Trade receivables	785,803	1,126,943
Provision for impairment	(43,780)	(45,225)
	<u>742,023</u>	<u>1,081,718</u>
Other receivables	250,436	226,154
Interest receivable	12,902	21,499
Cash restricted or pledged	-	47,458
Short term deposits	4,150,000	4,150,000
	<u>5,155,361</u>	<u>5,526,829</u>

6 Other assets

	2018 \$	2017 \$
Current assets		
Prepayments	660,863	734,855
Prepaid taxes	4,803	14,126
	<u>665,666</u>	<u>748,981</u>

7 Available-for-sale financial assets

	2018 \$	2017 \$
Non-current assets		
Unlisted securities		
Units in managed investment funds - at fair value	24,861,226	22,893,372
	<u>24,861,226</u>	<u>22,893,372</u>

8 Property, plant and equipment

Non-current	Property related assets \$	Computer equipment \$	Total \$
At 1 January 2017			
Cost	7,861,039	3,873,726	11,734,765
Accumulated depreciation	(1,442,168)	(2,417,352)	(3,859,520)
Net book amount	<u>6,418,871</u>	<u>1,456,374</u>	<u>7,875,245</u>
Year ended 31 December 2017			
Opening net book amount	6,418,871	1,456,374	7,875,245
Additions	110,211	572,206	682,417
Disposals	(516)	(3,639)	(4,155)
Depreciation charge	(199,771)	(607,825)	(807,596)
Closing net book amount	<u>6,328,795</u>	<u>1,417,116</u>	<u>7,745,911</u>
At 31 December 2017			
Cost	7,967,550	4,241,288	12,208,838
Accumulated depreciation	(1,638,755)	(2,824,172)	(4,462,927)
Net book amount	<u>6,328,795</u>	<u>1,417,116</u>	<u>7,745,911</u>
Year ended 31 December 2018			
Opening net book amount	6,328,795	1,417,116	7,745,911
Additions	91,272	510,658	601,930
Disposals	-	(19,459)	(19,459)
Depreciation charge	(196,709)	(659,320)	(856,029)
Closing net book amount	<u>6,223,358</u>	<u>1,248,995</u>	<u>7,472,353</u>
At 31 December 2018			
Cost	8,053,187	4,541,639	12,594,826
Accumulated depreciation	(1,829,829)	(3,292,644)	(5,122,473)
Net book amount	<u>6,223,358</u>	<u>1,248,995</u>	<u>7,472,353</u>

9 Deferred tax assets

	2018 \$	2017 \$
Deferred tax assets expected to be recovered within 12 months	15,158	12,202
Deferred tax assets expected to be recovered after more than 12 months	<u>271,379</u>	<u>190,199</u>
	<u>286,537</u>	<u>202,401</u>

10 Trade and other payables

	2018 \$	2017 \$
Current liabilities		
Trade payables	615,571	465,565
Goods and services tax (GST) payable	18,847	23,823
Accrued expenses	602,863	476,744
Grants payable (note 14)	-	47,458
Research funds	4,480	73,080
	<u>1,241,761</u>	<u>1,086,670</u>

11 Provisions

	Current \$	2018 Non- current \$	Total \$	Current \$	2017 Non- current \$	Total \$
Employee benefits	1,743,961	254,584	1,998,545	1,424,271	319,062	1,743,333

12 Deferred tax liabilities

	2018 \$	2017 \$
Deferred tax liabilities expected to be settled within 12 months	4,144	6,222
Deferred tax liabilities expected to be settled after more than 12 months	446,169	459,890
	<u>450,313</u>	<u>466,112</u>

13 Unearned income

	2018 \$	2017 \$
Current liabilities		
Unearned member and non-member fees	10,197,272	9,721,164
Unearned sponsorship income	30,698	21,629
	<u>10,227,970</u>	<u>9,742,793</u>

14 Grant agreements

The Company entered into various grant agreements with the Internet Society (ISOC) and the International Development Research Centre (IDRC) to undertake various activities and projects in connection with the Seed Alliance program, which aims to contribute to the development of the information societies in Asia-Pacific by funding research projects and by rewarding and recognising innovative approaches in the use of information technology for development. Under the agreements, the Company is entitled to receive grant monies for ISOC and IDRC to be used in these projects.

14 Grant agreements (continued)

The balance of the unspent grant monies as at 31 December are as follows:

	2018 \$	2017 \$
Grants payable (note 10)	-	47,458

The movement in the unspent grant monies received under each agreement are as follows:

	ISIF ICT Grant Fund	ISIF Project Fund	ISIF IDRC Grant Fund Project 108044	ISIF ISOC Project Fund	Total
Opening balance	\$15,409	\$62,205	(\$31,705)	\$1,549	\$47,458
Grant monies received	-		\$32,312		\$32,312
Grant monies paid/spent	(\$2,102)	(\$2,635)			(\$4,737)
Reimbursements	(\$13,307)	(\$59,570)	(\$607)	(\$1,549)	(\$75,033)
Closing balance	-	-	-	-	-

15 Contributed equity

(a) Share capital

	2018 Shares	2017 Shares	2018 \$	2017 \$
Ordinary shares - fully paid	1	1	1	1

(b) Ordinary shares

Ordinary shares entitle the holder to participate in dividends and the proceeds on winding up of the Company in proportion to the number of and amounts paid on the shares held.

On a show of hands every holder of ordinary shares present at a meeting in person or by proxy, is entitled to one vote, and upon a poll each share is entitled to one vote.

Ordinary shares have no par value and the Company does not have a limited amount of authorised capital.

16 Other reserves and retained earnings

(a) Other reserves

	2018 \$	2017 \$
Available-for-sale financial assets	-	1,156,552

Movements:

Available-for-sale financial assets

Opening balance	1,156,552	651,145
Revaluation - net of tax	-	505,407
Adjustment on adoption of AASB 9	(1,156,552)	-
Balance 31 December	-	1,156,552

(i) *Nature and purpose of other reserves*

In 2017, changes in the fair value and exchange differences arising on translation of investments that were classified as available-for-sale financial assets (eg equities), were recognised in other comprehensive income and accumulated in a separate reserve within equity. Amounts were reclassified to profit or loss when the associated assets are sold or impaired, see accounting policy note 1(i) for details.

In 2018, the entity adopted AASB 9 *Financial Instruments* through a modified retrospective approach, where subsequent reclassification of those financial assets has resulted in changes in the fair value and exchange differences being recognised in profit or loss immediately.

The modified retrospective practical expedient allows for no comparative adjustments, with adjustment only required to opening balances. The accumulated reserve balance has then been reclassified into retained earnings.

(b) Retained earnings

Movements in retained earnings were as follows:

	2018 \$	2017 \$
Balance 1 January	26,551,460	24,996,360
Net profit for the year	1,112,972	1,555,100
Adjustment on adoption of AASB 9	1,156,552	-
Balance 31 December	28,820,984	26,551,460

17 Remuneration of auditors

During the year the following fees were paid or payable for services provided by the auditor of the entity and its related practices:

PricewaterhouseCoopers

	2018 \$	2017 \$
<i>Audit and other assurance services</i>		
Audit of financial statements	48,000	36,500
Total remuneration of PricewaterhouseCoopers	<u>48,000</u>	<u>36,500</u>

18 Commitments and contingencies

The Company had no commitments nor contingent liabilities at 31 December 2018 (2017: nil).

19 Events occurring after the reporting period

No matter or circumstance has occurred subsequent to year end that has significantly affected, or may significantly affect, the operations of the Company, the results of those operations or the state of affairs of the Company in subsequent financial years.

20 Reconciliation of profit after income tax to net cash inflow from operating activities

	2018 \$	2017 \$
Profit for the year	1,112,972	1,555,100
Adjustments for		
Depreciation	856,029	807,596
Net loss on sale of non-current assets	12,384	1,059
Investment management fees	142,434	130,788
Fair value losses on non-current financial assets at fair value through profit or loss	73,475	-
Investment distribution income	(683,763)	(671,883)
Net exchange differences	(22,902)	21,924
Change in operating assets and liabilities:		
Decrease (increase) in trade and other receivables	324,011	(290,436)
Decrease in restricted cash	47,458	193,484
Increase in deferred tax assets	(84,136)	(52,799)
Decrease (increase) in other operating assets	83,315	(99,952)
Increase (decrease) in trade and other creditors	155,089	(34,782)
Increase in unearned income	485,177	341,959
Decrease in deferred tax liabilities	(15,799)	(29,485)
Increase in other provisions	255,213	189,754
Net cash inflow (outflow) from operating activities	<u>2,740,957</u>	<u>2,062,327</u>

APNIC Pty Ltd
Director's declaration
31 December 2018

As stated in note 1(a) to the financial statements, in the director's opinion, the Company is not a reporting entity because there are no users dependent on general purpose financial reports. This is a special purpose financial report that has been prepared to meet *Corporations Act 2001* requirements.

The financial report has been prepared in accordance with Accounting Standards and mandatory professional reporting requirements to the extent described in note 1.

In the director's opinion:

- (a) the financial statements and notes set out on pages 4 to 22 are in accordance with the *Corporations Act 2001*, including:
 - (i) complying with Accounting Standards, the *Corporations Regulations 2001* and other mandatory professional reporting requirements, and
 - (ii) giving a true and fair view of the entity's financial position as at 31 December 2018 and of its performance for the financial year ended on that date, and
- (b) there are reasonable grounds to believe that the Company will be able to pay its debts as and when they become due and payable.



Paul Byron Wilson
Director

Brisbane
13 February 2019



Independent auditor's report

To the members of APNIC Pty Ltd

Our opinion

In our opinion:

The accompanying financial report of APNIC Pty Ltd (the Company) is in accordance with the *Corporations Act 2001*, including:

- (a) giving a true and fair view of the Company's financial position as at 31 December 2018 and of its financial performance for the year then ended
- (b) complying with Australian Accounting Standards to the extent described in Note 1 and the *Corporations Regulations 2001*.

What we have audited

The financial report comprises:

- the statement of financial position as at 31 December 2018
- the statement of changes in equity for the year then ended
- the statement of cash flows for the year then ended
- the statement of profit or loss and other comprehensive income for the year then ended
- the notes to the financial statements, which include a summary of significant accounting policies
- the directors' declaration.

Basis for opinion

We conducted our audit in accordance with Australian Auditing Standards. Our responsibilities under those standards are further described in the *Auditor's responsibilities for the audit of the financial report* section of our report.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Independence

We are independent of the Company in accordance with the auditor independence requirements of the *Corporations Act 2001* and the ethical requirements of the Accounting Professional and Ethical Standards Board's APES 110 *Code of Ethics for Professional Accountants* (the Code) that are relevant to our audit of the financial report in Australia. We have also fulfilled our other ethical responsibilities in accordance with the Code.

Emphasis of matter - basis of accounting and restriction on use

We draw attention to Note 1 in the financial report, which describes the basis of accounting. The financial report has been prepared for the purpose of fulfilling the directors' financial reporting responsibilities under the *Corporations Act 2001*. As a result, the financial report may not be suitable for another purpose. Our report is intended solely for APNIC Pty Ltd and its members and should not

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be distributed to or used by parties other than APNIC Pty Ltd and its members. Our opinion is not modified in respect of this matter.

Other information

The directors are responsible for the other information. The other information comprises the information included in the annual report for the year ended 31 December 2018, but does not include the financial report and our auditor's report thereon.

Our opinion on the financial report does not cover the other information and accordingly we do not express any form of assurance conclusion thereon.

In connection with our audit of the financial report, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial report or our knowledge obtained in the audit, or otherwise appears to be materially misstated.

If, based on the work we have performed on the other information that we obtained prior to the date of this auditor's report, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

Responsibilities of the directors for the financial report

The directors of the Company are responsible for the preparation of the financial report that gives a true and fair view and have determined that the basis of preparation described in Note 1 to the financial report is appropriate to meet the requirements of the *Corporations Act 2001* and is appropriate to meet the needs of the members. The directors' responsibility also includes such internal control as the directors determine is necessary to enable the preparation of the financial report that gives a true and fair view and is free from material misstatement, whether due to fraud or error.

In preparing the financial report, the directors are responsible for assessing the ability of the Company to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the directors either intend to liquidate the Company or to cease operations, or have no realistic alternative but to do so.

Auditor's responsibilities for the audit of the financial report

Our objectives are to obtain reasonable assurance about whether the financial report as a whole is free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with the Australian Auditing Standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial report.

A further description of our responsibilities for the audit of the financial report is located at the Auditing and Assurance Standards Board website at:



http://www.auasb.gov.au/auditors_responsibilities/ar4.pdf. This description forms part of our auditor's report.

Matters relating to the electronic presentation of the audited financial report

This auditor's report relates to the financial report of APNIC Pty Ltd for the year ended 31 December 2018 included on APNIC Pty Ltd's web site. The directors of the Company are responsible for the integrity of APNIC Pty Ltd's web site. We have not been engaged to report on the integrity of this web site. The auditor's report refers only to the financial report named above. It does not provide an opinion on any other information which may have been hyperlinked to/from the financial report. If users of this report are concerned with the inherent risks arising from electronic data communications they are advised to refer to the hard copy of the audited financial report to confirm the information included in the audited financial report presented on this web site.

PricewaterhouseCoopers

PricewaterhouseCoopers

A handwritten signature in blue ink, appearing to be 'A. Weeden'.

Andrew Weeden
Partner

Brisbane
13 February 2019

APNIC Pty Ltd
Operating statement
31 December 2018

	2018	2017
	\$	\$
Revenue		
Membership fees	20,213,860	19,310,962
Non-membership fees	251,054	260,010
Sign-up fees	330,000	373,250
Member reactivation fees	22,000	26,000
Non-member reactivation fees	-	1,200
Transfer fees	164,145	127,440
Interest income	188,271	169,197
Investment distribution income	683,763	671,883
Sundry income	429,281	231,755
Grant income	4,737	265,469
Net gain (loss) on disposal of property, plant and equipment	(12,384)	(1,059)
Net foreign exchange gains (losses)	18,658	(21,955)
Fair value loss on financial assets at fair value through profit or loss	(73,475)	-
	<u>22,219,910</u>	<u>21,414,152</u>
 Less expenses		
Administration expenses (refer schedule)	<u>(21,206,873)</u>	<u>(19,941,336)</u>
 Profit before income tax	 <u>1,013,037</u>	 <u>1,472,816</u>

The above operating statement does not form part of the audited financial report.

APNIC Pty Ltd
Operating statement
31 December 2018
(continued)

	2018	2017
	\$	\$
Schedule of administration expenses		
Salaries and wages	(9,595,786)	(9,018,646)
Travel	(2,165,459)	(2,161,034)
Professional fees - consulting	(1,133,552)	(965,989)
Superannuation contributions - employees	(938,257)	(878,494)
Depreciation	(856,029)	(807,596)
Computer costs - other	(817,599)	(647,453)
Employee entitlements	(795,026)	(599,066)
Foundation expenses	(732,710)	(665,058)
Communication expenses	(542,895)	(561,270)
Payroll tax	(527,464)	(496,315)
Donations	(460,773)	(409,491)
ICANN	(278,866)	(244,657)
Meeting expenses	(205,959)	(226,285)
Staff training	(199,349)	(148,603)
Bank charges - general	(193,762)	(177,670)
Insurance	(189,738)	(173,610)
Recruitment	(185,554)	(134,793)
Office expenses	(185,507)	(194,134)
Sponsorship fees	(169,628)	(168,589)
Professional fees - legal	(146,471)	(147,726)
Deductible entertainment	(121,341)	(86,023)
Training workshop fees	(101,963)	(108,532)
Staff amenities	(87,908)	(74,691)
Advertising expense	(80,877)	(62,538)
Professional fees - accountancy/management	(76,402)	(82,096)
Equipment hire	(69,245)	(77,614)
Electricity	(49,914)	(54,264)
ISOC grant expenses	-	(49,701)
Gifts and promotions	(48,464)	(40,724)
Membership fees	(44,134)	(48,138)
Postage	(42,808)	(40,610)
Printing and stationery	(41,823)	(38,380)
Cleaning	(39,171)	(36,558)
Repairs and maintenance	(37,472)	(31,532)
Books and periodicals	(11,790)	(10,592)
Fringe benefits tax	(9,609)	(16,925)
Worker's compensation	(8,246)	(12,333)
Translation expenses	(7,855)	(9,027)
ISIF grant expense	(4,737)	(113,175)
Administration fees	(4,175)	(4,158)
Doubtful debts	1,445	(14,653)
IDRC grant expense	-	(102,593)
Total expenses	(21,206,873)	(19,941,336)

The above operating statement does not form part of the audited financial report.



Private Banking

Investment Report 1.1.2018 – 31.12.2018

APNIC PTY LTD

Portfolio Group: 3000039



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Private Banking

Investment Report 1.1.2018 – 31.12.2018

Portfolio Group 3000039
In the Name of APNIC PTY LTD

Produced on 3.1.2019
Reporting Currency AUD

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Scope of Analysis
as of 31.12.2018

Components	Portfolio	Asset Value in AUD	Discretionary Mandate	Opened	Closed
Portfolio Group: 3000039					
Investment related Positions					
AUD Portfolio	3000039-10	0		16.08.2013	
AUD Portfolio	3000039-70	24,861,226	Yes	16.08.2013	
Total Investments		24,861,226			
Total Wealth		24,861,226			

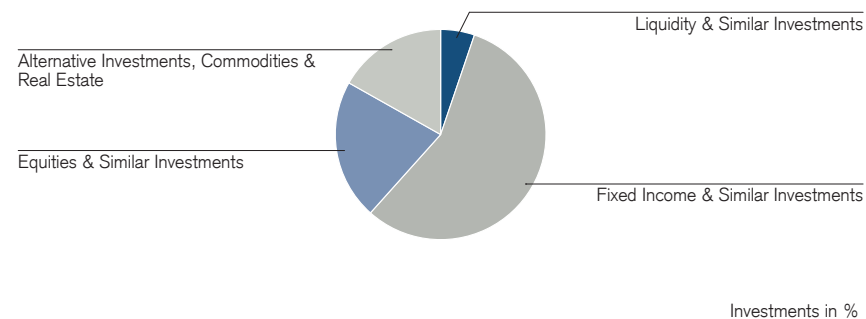
1. Overview

1.1. Asset Allocation

Asset Allocation by Asset Category

Period 1.1.2018 - 31.12.2018

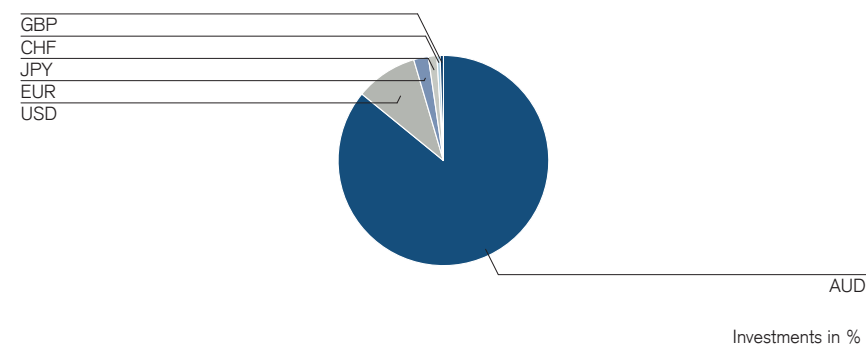
	Beginning Market Value in AUD	Change	Ending Market Value in AUD	Ending Market Value Prop.
■ Liquidity & Similar Investments	267,195	1,026,141	1,293,336	5.20%
■ Fixed Income & Similar Investments	12,799,267	1,223,773	14,023,040	56.41%
■ Equities & Similar Investments	5,658,117	-294,795	5,363,322	21.57%
■ Alternative Investments, Commodities & Real Estate	4,170,031	11,497	4,181,528	16.82%
Total Investments	22,894,610		24,861,226	100.00%



Asset Allocation by Currency

Period 1.1.2018 - 31.12.2018

	Beginning Market Value in AUD	Change	Ending Market Value in AUD	Ending Market Value Prop.
■ AUD - Australian Dollar	20,053,116	1,413,255	21,466,371	86.34%
■ USD - US Dollar	1,755,057	629,996	2,385,053	9.59%
■ EUR - Euro	771,077	-209,132	561,945	2.26%
■ JPY - Japan Yen	315,360	10,960	326,320	1.31%
■ CHF - Swiss Franc	0	62,156	62,156	0.25%
■ GBP - Pound Sterling	0	59,380	59,380	0.24%
Total Investments	22,894,610		24,861,226	100.00%



1.2. Income and Activity
Income Summary

Period 1.1.2018 - 31.12.2018

	Current Period in AUD	Year to Date in AUD
Cash Dividend	674,755	674,755
Coupon Received/Paid	0	0
Interest Earned	9,011	9,011
Interest Paid	-3	-3
Net Income	683,763	683,763

Activity Summary

Period 1.1.2018 - 31.12.2018

	Current Period in AUD	Year to Date in AUD
Asset Inflows	3,000,000	3,000,000
Asset Outflows	-1,500,000	-1,500,000
Net Investment Asset Flows	1,500,000	1,500,000
Net Non-Investment Flows	0	0

2. Positions

2.1. Investment Related Positions as of 31.12.2018

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	3,707.69	Current Account -20300003970945 AUD Portfolio: 3000039-70	1.0000		3,708		
					0.01%		
EUR	93,279.68	Current Account -20300003970056 AUD Portfolio: 3000039-70	1.0000 1.5847 EUR/AUD		151,188	3,369	2.28%
					0.61%	3,369	2.28%
GBP	33,039.90	Current Account -20300003970089 AUD Portfolio: 3000039-70	1.0000 1.8171 GBP/AUD		59,380	-655	-1.09%
					0.24%	-655	-1.09%
JPY	12,271,182	Current Account -20300003970335 AUD Portfolio: 3000039-70	1.0000 82.6175 AUD/JPY		157,388	8,858	5.96%
					0.63%	8,858	5.96%
USD	83,235.40	Current Account -20300003970780 AUD Portfolio: 3000039-70	1.0000 0.7114 AUD/USD		117,890	886	0.76%
					0.47%	886	0.76%
Total Accounts					489,554		
					0		
					1.97%		

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 %
Call & Time Deposits								
AUD	803,000	2.09% Deposit - Fixed Term (MM1834801057) 14.12.2018 - 04.01.2019 Total interest at maturity: AUD 965,58 AUD Portfolio: 3000039-70		1.0000		803,782 782 3.23%		
Total Call & Time Deposits						803,782 782 3.23%		
Total Liquidity & Similar Investments						1,293,336 782 5.20%		
Fixed Income & Similar Investments								
Fixed Income & Similar Investments AUD								
AUD	4,186,086.41	UNITS -D- ISHARES AUSTRALIAN BOND INDEX FUND AUD Portfolio: 3000039-70	AU60BGL01056 2244170	1.0282	1.0519 NAV 31.12.2018	4,403,541 99,420 2.31% 99,420 2.31% 17.71%		
AUD	674.326	UNITS PIMCO GLOBAL CREDIT FUND AUD Portfolio: 3000039-70	AU60ETL01145 3432906	1,000.7455	990.9512 NAV 31.12.2018	668,224 -6,605 -0.98% -6,605 -0.98% 2.69%		
AUD	1,726.253	UNITS PIMCO AUSTRALIAN BOND FUND CLASS -A- AUD Portfolio: 3000039-70	AU60ETL01152 3432899	1,112.5010	1,137.9998 NAV 31.12.2018	1,964,476 44,017 2.29% 44,017 2.29% 7.90%		
AUD	2,583,408.916	UNITS LEGG MASON WESTERN ASSET AUSTRALIAN BOND TRUST CLASS -A- AUD Portfolio: 3000039-70	AU60SSB01221 2248336	1.2072	1.2363 BID 27.12.2018	3,193,972 75,391 2.42% 75,391 2.42% 12.85%		

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	3,320,051.92	UNITS VANGUARD AUSTRALIAN FIXED INTEREST INDEX FUND AUD Portfolio: 3000039-70	AU60VAN00014 1653500	1.1291	1.1424 NAV 31.12.2018	3,792,827 15.26%	44,183 44,183	1.18% 1.18%
Total Fixed Income & Similar Investments						14,023,040 0 56.41%		
Equities & Similar Investments								
Equities & Similar Investments AUD								
AUD	4,119	REGISTERED SHS AUSTRALIA & NEW ZEALAND BANKING GROUP LTD AUD Portfolio: 3000039-70	AU000000ANZ3 640139 ANZ.AX	30.2318	24.4600 CLO 31.12.2018	100,751 0.41%	-23,774 -23,774	-19.09% -19.09%
AUD	7,715	REGISTERED SHS BHP GROUP LTD AUD Portfolio: 3000039-70	AU000000BHP4 640390 BHP.AX	28.5717	34.2300 CLO 31.12.2018	264,084 1.06%	43,654 43,654	19.80% 19.80%
AUD	1,337	REGISTERED SHS CARSALES.COM LTD AUD Portfolio: 3000039-70	AU000000CAR3 10476764 CAR.AX	14.2157	11.0000 CLO 31.12.2018	14,707 0.06%	-4,299 -4,299	-22.62% -22.62%
AUD	2,300	REGISTERED SHS COMMONWEALTH BANK OF AUSTRALIA AUD Portfolio: 3000039-70	AU000000CBA7 646758 CBA.AX	76.7781	72.3900 CLO 31.12.2018	166,497 0.67%	-10,093 -10,093	-5.72% -5.72%
AUD	296	REGISTERED SHS CIMIC GROUP LTD AUD Portfolio: 3000039-70	AU000000CIM7 27620160 CIM.AX	47.6934	43.4100 CLO 31.12.2018	12,849 0.05%	-1,268 -1,268	-8.98% -8.98%
AUD	53	REGISTERED SHS COCHLEAR LTD AUD Portfolio: 3000039-70	AU000000COH5 102261 COH.AX	173.7542	173.5700 CLO 31.12.2018	9,199 0.04%	-10 -10	-0.11% -0.11%

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	3,952 REGISTERED SHS COMPUTERSHARE LTD AUD Portfolio: 3000039-70	AU000000CPU5 241285 CPU.AX	16.8102	17.1900 CLO 31.12.2018	67,935 0.27%	1,501 1,501	2.26% 2.26%
AUD	1,277 REGISTERED SHS CSL LTD AUD Portfolio: 3000039-70	AU000000CSL8 241548 CSL.AX	104.9787	185.1600 CLO 31.12.2018	236,449 0.95%	102,392 102,392	76.38% 76.38%
AUD	6,840 REGISTERED SHS EVOLUTION MINING LTD AUD Portfolio: 3000039-70	AU000000EVN4 14241033 EVN.AX	2.4387	3.6900 CLO 31.12.2018	25,240 0.10%	8,559 8,559	51.31% 51.31%
AUD	3,750 REGISTERED SHS FORTESCUE METALS GROUP LTD AUD Portfolio: 3000039-70	AU000000FMG4 1655130 FMG.AX	5.0451	4.1900 CLO 31.12.2018	15,713 0.06%	-3,207 -3,207	-16.95% -16.95%
AUD	7,612 UNITS ISHARES CORE S&P/ASX 200 ETF EXCHANGE TRADED FUND AUD Portfolio: 3000039-70	AU000000IOZ4 12101500 IOZ.AX	24.5050	23.3700 CLO 31.12.2018	177,892 0.72%	-8,640 -8,640	-4.63% -4.63%
AUD	2,352 CHESS UNITS OF FOREIGN SECURITIES JAMES HARDIE INDUSTRIES PLC AUD Portfolio: 3000039-70	AU000000JHX1 1303670 JHX.AX	21.4806	15.1200 CLO 31.12.2018	35,562 0.14%	-14,960 -14,960	-29.61% -29.61%
AUD	1,129 REGISTERED SHS MAGELLAN FINANCIAL GROUP LTD AUD Portfolio: 3000039-70	AU000000MFG4 2807450 MFG.AX	24.2684	23.5400 CLO 31.12.2018	26,577 0.11%	-822 -822	-3.00% -3.00%
AUD	1,136 REGISTERED SHS MACQUARIE GROUP LTD AUD Portfolio: 3000039-70	AU000000MQG1 3422370 MQG.AX	67.5244	108.6500 CLO 31.12.2018	123,426 0.50%	46,719 46,719	60.90% 60.90%

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	5,172 REGISTERED SHS NATIONAL AUSTRALIA BANK LTD AUD Portfolio: 3000039-70	AU000000NAB4 641643 NAB.AX	31.2395	24.0700 CLO 31.12.2018	124,490 0.50%	-37,081 -37,081	-22.95% -22.95%
AUD	935 REGISTERED SHS NEWCREST MINING LTD AUD Portfolio: 3000039-70	AU000000NCM7 650853 NCM.AX	22.6903	21.8000 CLO 31.12.2018	20,383 0.08%	-832 -832	-3.92% -3.92%
AUD	14,855 REGISTERED SHS ORORA LTD AUD Portfolio: 3000039-70	AU000000ORA8 22750502 ORA.AX	2.9789	3.0700 CLO 31.12.2018	45,605 0.18%	1,353 1,353	3.06% 3.06%
AUD	8,324 REGISTERED SHS ORIGIN ENERGY LTD AUD Portfolio: 3000039-70	AU000000ORG5 1051439 ORG.AX	8.7251	6.4700 CLO 31.12.2018	53,856 0.22%	-18,772 -18,772	-25.85% -25.85%
AUD	9,139 REGISTERED SHS QANTAS AIRWAYS LTD AUD Portfolio: 3000039-70	AU000000QAN2 390413 QAN.AX	6.5061	5.7900 CLO 31.12.2018	52,915 0.21%	-6,545 -6,545	-11.01% -11.01%
AUD	1,479 REGISTERED SHS RIO TINTO LTD AUD Portfolio: 3000039-70	AU000000RIO1 603520 RIO.AX	66.4031	78.4700 CLO 31.12.2018	116,057 0.47%	17,847 17,847	18.17% 18.17%
AUD	2,979 SHS RESMED INC CHESS DEPOSITORY INTERESTS REPR 1/10 SH AUD Portfolio: 3000039-70	AU000000RMD6 1058638 RMD.AX	12.9226	15.9200 CLO 31.12.2018	47,426 0.19%	8,929 8,929	23.19% 23.19%
AUD	31,678 UNITS SPDR S&P/ASX 200 LISTED PROPERTY FUND EXCHANGE TRADED FUND AUD Portfolio: 3000039-70	AU000000SLF1 1377855 SLF.AX	11.8800	12.3600 CLO 31.12.2018	391,540 1.57%	15,205 15,205	4.04% 4.04%

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	4,592 UNITS SPDR S&P/ASX 200 FUND ETF AUSTRALIAN EQUITY EXCHANGE TRADED FUNDS AUD Portfolio: 3000039-70	AU000000STW9 1285707 STW.AX	56.1148	52.6200 CLO 31.12.2018	241,631 0.97%	-16,048 -16,048	-6.23% -6.23%
AUD	2,085 REGISTERED SHS SUNCORP GROUP LTD AUD Portfolio: 3000039-70	AU000000SUN6 588679 SUN.AX	13.7982	12.6300 CLO 31.12.2018	26,334 0.11%	-2,436 -2,436	-8.47% -8.47%
AUD	6,514 STAPLED SECURITY TRANSURBAN GROUP AUD Portfolio: 3000039-70	AU000000TCL6 444655 TCL.AX	10.6423	11.6500 CLO 31.12.2018	75,888 0.31%	6,564 6,564	9.47% 9.47%
AUD	10,873 REGISTERED SHS TELSTRA CORPORATION LTD AUD Portfolio: 3000039-70	AU000000TLS2 720464 TLS.AX	4.9151	2.8500 CLO 31.12.2018	30,988 0.12%	-22,454 -22,454	-42.02% -42.02%
AUD	5,364 REGISTERED SHS WESTPAC BANKING CORP AUD Portfolio: 3000039-70	AU000000WBC1 642372 WBC.AX	32.2837	25.0400 CLO 31.12.2018	134,315 0.54%	-38,855 -38,855	-22.44% -22.44%
AUD	834 REGISTERED SHS WESFARMERS LTD AUD Portfolio: 3000039-70	AU000000WES1 642397 WES.AX	31.3065	32.2200 CLO 31.12.2018	26,871 0.11%	762 762	2.92% 2.92%
AUD	2,457 REGISTERED SHS WOOLWORTHS GROUP LTD AUD Portfolio: 3000039-70	AU000000WOW2 81350 WOW.AX	29.1317	29.4200 CLO 31.12.2018	72,285 0.29%	708 708	0.99% 0.99%
AUD	2,257 REGISTERED SHS WOODSIDE PETROLEUM LTD AUD Portfolio: 3000039-70	AU000000WPL2 642429 WPL.AX	35.2145	31.3200 CLO 31.12.2018	70,689 0.28%	-8,790 -8,790	-11.06% -11.06%

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	2,055 REGISTERED SHS COLES GROUP LTD AUD Portfolio: 3000039-70	AU0000030678 44059594 COL.AX	12.5437	11.7400 CLO 31.12.2018	24,126 0.10%	-1,652 -1,652	-6.41% -6.41%
AUD	56,005 UNITS BLACKROCK CONCENTRATED INDUSTRIAL SHARE FUND CLASS -D- AUD Portfolio: 3000039-70	AU60BLK00126 34230296	1.2786	1.0031 NAV 27.12.2018	56,180 0.23%	-15,427 -15,427	-21.54% -21.54%
AUD	47,580.91 UNITS ELEY GRIFFITHS GROUP SMALL COMPANIES FUND AUD Portfolio: 3000039-70	AU60EGG00011 3222428	2.1142	2.0183 NAV 31.12.2018	96,033 0.39%	-4,564 -4,564	-4.54% -4.54%
AUD	0 UNITS ABERDEEN STANDARD EMERGING OPPORTUNITIES FUND AUD Portfolio: 3000039-70	AU60ETL00329 2220820		2.2401 NAV 31.12.2018			
AUD	123,225.67 UNITS PARTNERS GROUP GLOBAL VALUE FUND (AUD) WHOLESALE AUD Portfolio: 3000039-70	AU60ETL02762 26607292	1.8783	2.0919 NAV 30.11.2018	257,776 1.04%	26,319 26,319	11.37% 11.37%
AUD	21,767.1893 UNITS IRONBARK KARARA AUSTRALIAN SMALL COMPANIES FUND CLASS -A- AUD Portfolio: 3000039-70	AU60PAT00021 2879000	3.0252	3.4325 NAV 31.12.2018	74,716 0.30%	8,867 8,867	13.47% 13.47%
AUD	5,382 REGISTERED SHS OIL SEARCH LTD AUD Portfolio: 3000039-70	PG0008579883 809900 OSH.AX	8.5718	7.1600 CLO 31.12.2018	38,535 0.16%	-7,598 -7,598	-16.47% -16.47%
Total Equities & Similar Investments AUD					3,355,520 0 13.50%		

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 CHF								
CHF	495	UNITS -A- ISHARES ETF (CH) - ISHARES SMI(R) ETF (CH) AUD Portfolio: 3000039-70	CH0008899764 889976 CSSMI.S	91.5160 0.7354 AUD/CHF	87.3000 CLO 28.12.2018	62,156 0.25%	557 -3,002 3,559	0.90% -4.61% 5.51%
Total Equities & Similar Investments CHF						62,156 0 0.25%		
Equities & Similar Investments EUR								
EUR	5,628	SHS EUR ISHARES II PLC - ISHARES CORE MSCI EUROPE UCITS ETF AUD Portfolio: 3000039-70	IE00B1YZSC51 3246398 IQQY.DE	23.7689 1.5037 EUR/AUD	21.0600 OFF 28.12.2018	192,106 0.77%	-9,041 -24,711 15,670	-4.49% -11.40% 6.90%
EUR	9,305	ACCUM.PTG.SHS WELLINGTON MANAGEMENT FUNDS (IRELAND) PLC - WELLINGTON STRATEGIC EUROPEAN EQUITY FUND CLASS -N- UNHEDGED EUR AUD Portfolio: 3000039-70	IE00B9DPD161 20938626	13.8471 1.4731 EUR/AUD	14.4979 NAV 31.12.2018	218,651 0.88%	28,846 9,815 19,031	15.20% 4.70% 10.50%
Total Equities & Similar Investments EUR						410,757 0 1.65%		
Equities & Similar Investments JPY								
JPY	640	UNITS NIKKEI 225 EXCHANGE TRADED FUND AUD Portfolio: 3000039-70	JP3027650005 1264151 1321.T	18,961.5313 87.7787 AUD/JPY	20,580.0000 CLO 28.12.2018	168,932 0.68%	30,682 13,285 17,397	22.19% 8.54% 13.66%
Total Equities & Similar Investments JPY						168,932 0 0.68%		

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 USD							
USD	248	ACCUM.PTG.SHS ISHARES VII PLC - ISHARES NASDAQ 100 UCITS ETF USD AUD Portfolio: 3000039-70	IE00B53SZB19 10737617 CSNDX.S	202.2470 0.8873 AUD/USD 28.12.2018	350.9500 CLO 123,273 0.50%	66,745 52,233 14,512	118.07% 73.53% 44.55%
USD	8,307	SHS -1C- XTRACKERS SICAV - XTRACKERS MSCI CHINA UCITS ETF CAPITALISATION AUD Portfolio: 3000039-70	LU0514695690 11421659 XCS6.L	16.6930 0.7324 AUD/USD 31.12.2018	15.5750 OFF 183,250 0.74%	-6,079 -13,154 7,075	-3.21% -6.70% 3.49%
USD	190	SHS -IP- RAM (LUX) SYSTEMATIC FUNDS SICAV - EMERGING MARKETS EQUITIES CAPITALISATION AUD Portfolio: 3000039-70	LU0704154458 14219625	149.4364 0.7594 AUD/USD 31.12.2018	166.1500 NAV 44,712 0.18%	7,322 4,498 2,824	19.58% 11.18% 8.40%
USD	4,584	SHS -R (ACC.)- GOLDMAN SACHS FUNDS SICAV - GOLDMAN SACHS EMERGING MARKETS EQUITY PORTFOLIO CAPITALISATION AUD Portfolio: 3000039-70	LU0830622741 19578737	13.5800 0.7346 AUD/USD 28.12.2018	12.0500 NAV 78,235 0.31%	-6,512 -9,934 3,422	-7.68% -11.27% 3.58%
USD	49,213	SHS -UCITS ETF USD C- AMUNDI INDEX SOLUTIONS SICAV - AMUNDI MSCI EMERGING MARKETS CAPITALISATION AUD Portfolio: 3000039-70	LU1681045453 38785088 AUEM.PA	4.8595 0.7679 AUD/USD 31.12.2018	4.2998 CLO 299,708 1.21%	-11,736 -39,012 27,276	-3.77% -11.52% 7.75%
USD	1,160	SHS ISHARES GLOBAL HEALTHCARE ETF AUD Portfolio: 3000039-70	US4642873255 1352444 IXJ.P	47.5979 0.8872 AUD/USD 31.12.2018	56.6500 CLO 93,074 0.37%	30,844 14,872 15,972	49.56% 19.02% 30.55%

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	1,536 TRUST UNITS SPDR S&P 500 ETF TRUST AUD Portfolio: 3000039-70	US78462F1030 45088 SPY.P	200.2251 0.8427 AUD/USD	249.9200 CLO 31.12.2018	543,704 2.19%	178,762 108,112 70,650	48.98% 24.82% 24.16%
Total Equities & Similar Investments USD					1,365,957 0 5.49%		
Total Equities & Similar Investments					5,363,322 0 21.57%		
Alternative Investments, Commodities & Real Estate							
Hedge Funds							
AUD	510,393.378 UNITS GMO SYSTEMATIC GLOBAL MACRO TRUST CLASS -B- AUD Portfolio: 3000039-70	AU60GMO00067 3375604	1.0073	0.9880 NAV 28.12.2018	504,269 2.03%	-9,864 -9,864	-1.92% -1.92%
AUD	321,265.67 UNITS BLACKROCK GLOBAL ALLOCATION FUND (AUST) CLASS -D- WHOLESALE AUD Portfolio: 3000039-70	AU60MAL00181 3379478	1.2406	1.1384 NAV 31.12.2018	365,722 1.47%	-32,834 -32,834	-8.24% -8.24%
AUD	175,161 RED.PTG.SH.S -A1- AHL (CAYMAN) SPC AUD CLASS A EVOLUTION SEGREGATED PORTFOLIO AUD Portfolio: 3000039-70	KYG012291145 22393979	1.1382	1.7363 NAV 30.11.2018	304,132 1.22%	104,762 104,762	52.55% 52.55%
USD	172,852 SUBSCRIPTION VALUE OF RED.PTG.SH.S -A- CS RENAISSANCE ALTERNATIVE ACCESS FUND LTD USD AUD Portfolio: 3000039-70		1.0000 0.7183 AUD/USD	1.0000 MID 24.10.2016	244,819 0.98%	4,162 4,162	1.73% 1.73%

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	336,454.813	RED.PTG.SHS -A- AHL DIMENSION (CAYMAN) LIMITED AUD AUD Portfolio: 3000039-70	KYG0132G1652 30773689	0.9991	1.0465 NAV 30.11.2018	352,100 15,938 1.42%	4.74% 4.74%
Total Hedge Funds					1,771,042 0 7.12%		
Commodities & Precious Metals							
AUD	3,833	ETC SECURITY ETFS METAL SECURITIES AUSTRALIA LTD 2003-WITHOUT FIXED MATURITY ON GOLD COMMODITY AUD Portfolio: 3000039-70	AU00000GOLD7 1583458 GOLD.AX	148.6351	170.5000 CLO 31.12.2018	653,527 83,808 2.63%	14.71% 14.71%
USD	580	UBS ETC UBS AG, LONDON BRANCH 2007- OPEN END ON UBS BLOOMBER CMCI COMPOSITE TOTAL RETURN AUD Portfolio: 3000039-70	CH0031794263 3179426 TCMCI.S	1,008.3991 0.8355 AUD/USD	799.0270 NAV 27.12.2018	656,387 -43,676 -171,996 2.64% 128,319	-6.24% -20.76% 14.52%
Total Commodities & Precious Metals					1,309,914 0 5.27%		
Real Estate							
AUD	12,057	STAPLED SECURITY DEXUS AUD Portfolio: 3000039-70	AU000000DXS1 3819970 DXS.AX	10.1661	10.6200 CLO 31.12.2018	128,045 5,472 0.52%	4.46% 4.46%
AUD	23,808	STAPLED SECURITY GOODMAN GROUP AUD Portfolio: 3000039-70	AU000000GMG2 18079202 GMG.AX	8.8381	10.6300 CLO 31.12.2018	253,079 42,662 42,662 1.02%	20.27% 20.27%

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	72,767 STAPLED SECURITY MIRVAC GROUP AUD Portfolio: 3000039-70	AU000000MGR9 821911 MGR.AX	1.8439	2.2400 CLO 31.12.2018	162,998 0.66%	28,826 28,826	21.48% 21.48%
AUD	23,003 STAPLED SECURITY SCENTRE GROUP AUD Portfolio: 3000039-70	AU000000SCG8 23931192 SCG.AX	3.4593	3.9000 CLO 31.12.2018	89,712 0.36%	10,136 10,136	12.74% 12.74%
AUD	2,163 STAPLED SECURITY STOCKLAND AUD Portfolio: 3000039-70	AU000000SGP0 642077 SGP.AX	4.5725	3.5200 CLO 31.12.2018	7,614 0.03%	-2,276 -2,276	-23.02% -23.02%
Total Real Estate					641,448 0 2.58%		
Other Alternative Investments							
AUD	4,309 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	101.7099	106.5500 NAV 31.12.2018	459,124 1.85%	20,856 20,856	4.76% 4.76%
Total Other Alternative Investments					459,124 0 1.85%		
Total Alternative Investments, Commodities & Real Estate					4,181,528 0 16.82%		
Total Investments					24,861,226 100.00%		
of which Accrued Interest					782		

3. Transactions

3.1. Transactions

Period 1.1.2018 - 31.12.2018

Transaction				Transaction Valuation		Cost Valuation			Profit/ Loss
Trade Date	Value Date	Transaction Type	Number/ Nominal	Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate	Income Cost	Realized in AUD of which Instrument of which Forex
Liquidity & Similar Investments									
Accounts									
Current Account -20300003970945									
31.01.2018	01.02.2018	Credit Interest Reference: 20300003970945-20180131 AUD Portfolio: 3000039-70		AUD				212	
28.02.2018	01.03.2018	Credit Interest Reference: 20300003970945-20180228 AUD Portfolio: 3000039-70		AUD				337	
21.03.2018	21.03.2018	Corporate Action Payment/ Settlements Reference: FT/18080/27333 AUD Portfolio: 3000039-70		AUD	99.73				
29.03.2018	29.03.2018	VAT Reference: 183425013769214 AUD Portfolio: 3000039-70		AUD				-3,121	
29.03.2018	29.03.2018	Management Fees Reference: 3000039-70 AUD Portfolio: 3000039-70		AUD				-31,205	
31.03.2018	01.04.2018	Credit Interest Reference: 20300003970945-20180331 AUD Portfolio: 3000039-70		AUD				319	
31.03.2018	01.04.2018	Correction of Credit Interest Reference: 20300003970945-20180331 AUD Portfolio: 3000039-70		AUD				99	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation		Cost Valuation		Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
				Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate		
30.04.2018	01.05.2018	Correction of Credit Interest Reference: 20300003970945-20180430 AUD Portfolio: 3000039-70		AUD				7	
30.04.2018	01.05.2018	Credit Interest Reference: 20300003970945-20180430 AUD Portfolio: 3000039-70		AUD				417	
31.05.2018	01.06.2018	Credit Interest Reference: 20300003970945-20180531 AUD Portfolio: 3000039-70		AUD				237	
29.06.2018	29.06.2018	VAT Reference: 184345984973862 AUD Portfolio: 3000039-70		AUD				-3,142	
29.06.2018	29.06.2018	Management Fees Reference: 3000039-70 AUD Portfolio: 3000039-70		AUD				-31,421	
30.06.2018	01.07.2018	Credit Interest Reference: 20300003970945-20180630 AUD Portfolio: 3000039-70		AUD				109	
31.07.2018	01.08.2018	Credit Interest Reference: 20300003970945-20180731 AUD Portfolio: 3000039-70		AUD				509	
31.07.2018	01.08.2018	Correction of Credit Interest Reference: 20300003970945-20180731 AUD Portfolio: 3000039-70		AUD				2	
31.08.2018	01.09.2018	Correction of Credit Interest Reference: 20300003970945-20180831 AUD Portfolio: 3000039-70		AUD				5	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation		Cost Valuation		Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
				Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate		
31.08.2018	01.09.2018	Correction of Credit Interest Reference: 20300003970945-20180831 AUD Portfolio: 3000039-70		AUD				0	
31.08.2018	01.09.2018	Correction of Credit Interest Reference: 20300003970945-20180831 AUD Portfolio: 3000039-70		AUD				14	
31.08.2018	01.09.2018	Credit Interest Reference: 20300003970945-20180831 AUD Portfolio: 3000039-70		AUD				677	
28.09.2018	28.09.2018	VAT Reference: 185253716664035 AUD Portfolio: 3000039-70		AUD				-3,293	
28.09.2018	28.09.2018	Management Fees Reference: 3000039-70 AUD Portfolio: 3000039-70		AUD				-32,928	
30.09.2018	01.10.2018	Correction of Credit Interest Reference: 20300003970945-20180930 AUD Portfolio: 3000039-70		AUD				12	
30.09.2018	01.10.2018	Credit Interest Reference: 20300003970945-20180930 AUD Portfolio: 3000039-70		AUD				770	
30.09.2018	01.10.2018	Correction of Credit Interest Reference: 20300003970945-20180930 AUD Portfolio: 3000039-70		AUD				10	
30.09.2018	01.10.2018	Correction of Credit Interest Reference: 20300003970945-20180930 AUD Portfolio: 3000039-70		AUD				28	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
01.10.2018	01.10.2018	Corporate Action Payment/ Settlements Reference: FT/18275/36369 AUD Portfolio: 3000039-70		AUD	0.13				
31.10.2018	01.11.2018	Credit Interest Reference: 20300003970945-20181031 AUD Portfolio: 3000039-70		AUD				439	
30.11.2018	01.12.2018	Credit Interest Reference: 20300003970945-20181130 AUD Portfolio: 3000039-70		AUD				565	
31.12.2018	31.12.2018	VAT Reference: 186162458072303 AUD Portfolio: 3000039-70		AUD				-3,393	
31.12.2018	31.12.2018	Management Fees Reference: 3000039-70 AUD Portfolio: 3000039-70		AUD				-33,930	
31.12.2018	01.01.2019	Debit Interest Reference: 20300003970945-20181231 AUD Portfolio: 3000039-70		AUD				-3	
31.12.2018	01.01.2019	Credit Interest Reference: 20300003970945-20181231 AUD Portfolio: 3000039-70		AUD				175	
Current Account -20300003970089									
31.07.2018	01.08.2018	Credit Interest Reference: 20300003970089-20180731 AUD Portfolio: 3000039-70		GBP	1.7683 GBP/AUD			1	

Transaction		Transaction Type	Number/ Nominal	Transaction Valuation		Cost Valuation		Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
Trade Date	Value Date			Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate		
31.08.2018	01.09.2018	Credit Interest Reference: 20300003970089-20180831 AUD Portfolio: 3000039-70		GBP	1.7937 GBP/AUD			0	
30.09.2018	01.10.2018	Credit Interest Reference: 20300003970089-20180930 AUD Portfolio: 3000039-70		GBP	1.8126 GBP/AUD			19	
31.10.2018	01.11.2018	Credit Interest Reference: 20300003970089-20181031 AUD Portfolio: 3000039-70		GBP	1.7930 GBP/AUD			29	
30.11.2018	01.12.2018	Credit Interest Reference: 20300003970089-20181130 AUD Portfolio: 3000039-70		GBP	1.7461 GBP/AUD			27	
31.12.2018	01.01.2019	Credit Interest Reference: 20300003970089-20181231 AUD Portfolio: 3000039-70		GBP	1.7972 GBP/AUD			29	
Current Account -20300003970780									
31.01.2018	01.02.2018	Credit Interest Reference: 20300003970780-20180131 AUD Portfolio: 3000039-70		USD	0.8077 AUD/USD			165	
31.01.2018	01.02.2018	Correction of Credit Interest Reference: 20300003970780-20180131 AUD Portfolio: 3000039-70		USD	0.8077 AUD/USD			0	
28.02.2018	01.03.2018	Credit Interest Reference: 20300003970780-20180228 AUD Portfolio: 3000039-70		USD	0.7791 AUD/USD			2	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
31.03.2018	01.04.2018	Credit Interest Reference: 20300003970780-20180331 AUD Portfolio: 3000039-70		USD	0.7655 AUD/USD			3	
30.04.2018	01.05.2018	Credit Interest Reference: 20300003970780-20180430 AUD Portfolio: 3000039-70		USD	0.7565 AUD/USD			2	
30.04.2018	01.05.2018	Correction of Credit Interest Reference: 20300003970780-20180430 AUD Portfolio: 3000039-70		USD	0.7565 AUD/USD			0	
31.05.2018	01.06.2018	Credit Interest Reference: 20300003970780-20180531 AUD Portfolio: 3000039-70		USD	0.7564 AUD/USD			2	
30.06.2018	01.07.2018	Credit Interest Reference: 20300003970780-20180630 AUD Portfolio: 3000039-70		USD	0.7383 AUD/USD			1	
31.07.2018	01.08.2018	Correction of Credit Interest Reference: 20300003970780-20180731 AUD Portfolio: 3000039-70		USD	0.7421 AUD/USD			0	
31.07.2018	01.08.2018	Credit Interest Reference: 20300003970780-20180731 AUD Portfolio: 3000039-70		USD	0.7421 AUD/USD			3	
31.08.2018	01.09.2018	Credit Interest Reference: 20300003970780-20180831 AUD Portfolio: 3000039-70		USD	0.7252 AUD/USD			6	
30.09.2018	01.10.2018	Credit Interest Reference: 20300003970780-20180930 AUD Portfolio: 3000039-70		USD	0.7215 AUD/USD			206	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
31.10.2018	01.11.2018	Correction of Credit Interest Reference: 20300003970780-20181031 AUD Portfolio: 3000039-70		USD	0.7086 AUD/USD			0	
31.10.2018	01.11.2018	Credit Interest Reference: 20300003970780-20181031 AUD Portfolio: 3000039-70		USD	0.7086 AUD/USD			456	
30.11.2018	01.12.2018	Credit Interest Reference: 20300003970780-20181130 AUD Portfolio: 3000039-70		USD	0.7319 AUD/USD			301	
31.12.2018	01.01.2019	Credit Interest Reference: 20300003970780-20181231 AUD Portfolio: 3000039-70		USD	0.7060 AUD/USD			61	
Call & Time Deposits									
1.755% Deposit - Fixed Term (MM1805401046) 23.02.2018 - 16.03.2018									
23.02.2018	23.02.2018	New Deposit Reference: MM/18054/01046 AUD Portfolio: 3000039-70	150,000	1.0000 AUD	-150,000.00				
16.03.2018	16.03.2018	Repayment of Principal Reference: MM/18054/01046 AUD Portfolio: 3000039-70	150,000	1.0000 AUD	150,000.00	1.0000 AUD	150,000.00		
16.03.2018	16.03.2018	Interest Payment Reference: MM/18054/01046 AUD Portfolio: 3000039-70		AUD				151	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
1.76% Deposit - Fixed Term (MM1807501058) 16.03.2018 - 06.04.2018									
16.03.2018	16.03.2018	New Deposit Reference: MM/18075/01058 AUD Portfolio: 3000039-70	186,000	1.0000 AUD	-186,000.00				
06.04.2018	06.04.2018	Repayment of Principal Reference: MM/18075/01058 AUD Portfolio: 3000039-70	186,000	1.0000 AUD	186,000.00	1.0000 AUD	186,000.00		
06.04.2018	06.04.2018	Interest Payment Reference: MM/18075/01058 AUD Portfolio: 3000039-70		AUD				188	
1.9% Deposit - Fixed Term (MM1809601066) 06.04.2018 - 27.04.2018									
06.04.2018	06.04.2018	New Deposit Reference: MM/18096/01066 AUD Portfolio: 3000039-70	161,000	1.0000 AUD	-161,000.00				
27.04.2018	27.04.2018	Repayment of Principal Reference: MM/18096/01066 AUD Portfolio: 3000039-70	161,000	1.0000 AUD	161,000.00	1.0000 AUD	161,000.00		
27.04.2018	27.04.2018	Interest Payment Reference: MM/18096/01066 AUD Portfolio: 3000039-70		AUD				176	
2.05% Deposit - Fixed Term (MM1826401046) 21.09.2018 - 12.10.2018									
21.09.2018	21.09.2018	New Deposit Reference: MM/18264/01046 AUD Portfolio: 3000039-70	347,000	1.0000 AUD	-347,000.00				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
12.10.2018	12.10.2018	Repayment of Principal Reference: MM/18264/01046 AUD Portfolio: 3000039-70	347,000	1.0000 AUD	347,000.00	1.0000 AUD	347,000.00		
12.10.2018	12.10.2018	Interest Payment Reference: MM/18264/01046 AUD Portfolio: 3000039-70		AUD				409	
1.97% Deposit - Fixed Term (MM1828501059) 12.10.2018 - 02.11.2018									
12.10.2018	12.10.2018	New Deposit Reference: MM/18285/01059 AUD Portfolio: 3000039-70	334,000	1.0000 AUD	-334,000.00				
02.11.2018	02.11.2018	Repayment of Principal Reference: MM/18285/01059 AUD Portfolio: 3000039-70	334,000	1.0000 AUD	334,000.00	1.0000 AUD	334,000.00		
02.11.2018	02.11.2018	Interest Payment Reference: MM/18285/01059 AUD Portfolio: 3000039-70		AUD				379	
1.98% Deposit - Fixed Term (MM1830901035) 05.11.2018 - 23.11.2018									
05.11.2018	05.11.2018	New Deposit Reference: MM/18309/01035 AUD Portfolio: 3000039-70	547,000	1.0000 AUD	-547,000.00				
23.11.2018	23.11.2018	Repayment of Principal Reference: MM/18309/01035 AUD Portfolio: 3000039-70	547,000	1.0000 AUD	547,000.00	1.0000 AUD	547,000.00		
23.11.2018	23.11.2018	Interest Payment Reference: MM/18309/01035 AUD Portfolio: 3000039-70		AUD				534	

Transaction		Transaction Type	Number/ Nominal	Transaction Valuation		Cost Valuation		Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
Trade Date	Value Date			Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate		
1.89% Deposit - Fixed Term (MM1832701037) 23.11.2018 - 14.12.2018									
23.11.2018	23.11.2018	New Deposit Reference: MM/18327/01037 AUD Portfolio: 3000039-70	843,000	1.0000 AUD	-843,000.00				
14.12.2018	14.12.2018	Repayment of Principal Reference: MM/18327/01037 AUD Portfolio: 3000039-70	843,000	1.0000 AUD	843,000.00	1.0000 AUD	843,000.00		
14.12.2018	14.12.2018	Interest Payment Reference: MM/18327/01037 AUD Portfolio: 3000039-70		AUD				917	
2.09% Deposit - Fixed Term (MM1834801057) 14.12.2018 - 04.01.2019									
14.12.2018	14.12.2018	New Deposit Reference: MM/18348/01057 AUD Portfolio: 3000039-70	803,000	1.0000 AUD	-803,000.00				
FX Spots, Forwards and Swaps									
AUD/USD purchase / Trade Date 11.01.2018 Value Date 12.01.2018									
11.01.2018	11.01.2018	FX Purchase Reference: FX/18011/70394 AUD Portfolio: 3000039-70	26,631.69	0.7869 AUD/USD AUD					
12.01.2018	12.01.2018	Execution of FX Purchase Reference: FX/18011/70394 AUD Portfolio: 3000039-70	26,631.69	0.7883 AUD/USD AUD	26,631.69 0.7883 AUD/USD	0.7869 AUD/USD AUD	26,583.38 0.7883 AUD/USD		48 48

Transaction				Transaction Valuation		Cost Valuation			Profit/ Loss
Trade Date	Value Date	Transaction Type	Number/ Nominal	Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate	Income Cost	Realized in AUD of which Instrument of which Forex
AUD/EUR purchase / Trade Date 16.05.2018 Value Date 17.05.2018									
16.05.2018	16.05.2018	FX Purchase Reference: FX/18136/08930 AUD Portfolio: 3000039-70	14,489.95	0.6322 AUD/EUR AUD					
17.05.2018	17.05.2018	Execution of FX Purchase Reference: FX/18136/08930 AUD Portfolio: 3000039-70	14,489.95	0.6384 AUD/EUR AUD	14,489.95 1.5665 EUR/AUD	0.6322 AUD/EUR AUD	14,350.22 1.5665 EUR/AUD		140 140
AUD/EUR purchase / Trade Date 19.12.2018 Value Date 20.12.2018									
19.12.2018	19.12.2018	FX Purchase Reference: FX/18353/50009 AUD Portfolio: 3000039-70	56,873.28	0.6321 AUD/EUR AUD					
20.12.2018	20.12.2018	Execution of FX Purchase Reference: FX/18353/50009 AUD Portfolio: 3000039-70	56,873.28	0.6220 AUD/EUR AUD	56,873.28 1.6076 EUR/AUD	0.6321 AUD/EUR AUD	57,790.09 1.6076 EUR/AUD		-917 -917
EUR/CHF purchase / Trade Date 10.07.2018 Value Date 11.07.2018									
10.07.2018	10.07.2018	FX Purchase Reference: FX/18191/60102 AUD Portfolio: 3000039-70	42,952.17	1.1652 EUR/CHF CHF					
11.07.2018	11.07.2018	Execution of FX Purchase Reference: FX/18191/60102 AUD Portfolio: 3000039-70	42,952.17	1.1627 EUR/CHF CHF	58,484.88 1.5832 EUR/AUD	1.1652 EUR/CHF CHF	58,360.68 1.5832 EUR/AUD		124 124
AUD/CHF purchase / Trade Date 30.08.2018 Value Date 31.08.2018									
30.08.2018	30.08.2018	FX Purchase Reference: FX/18242/58300 AUD Portfolio: 3000039-70	2,042.75	0.7074 AUD/CHF CHF					

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
31.08.2018	31.08.2018	Execution of FX Purchase Reference: FX/18242/58300 AUD Portfolio: 3000039-70	2,042.75	0.7024 AUD/CHF CHF	2,908.20	0.7074 AUD/CHF CHF	2,887.87		20 20
EUR/GBP purchase / Trade Date 03.07.2018 Value Date 03.07.2018									
03.07.2018	03.07.2018	FX Purchase Reference: FX/18184/59584 AUD Portfolio: 3000039-70	32,178.62	0.8859 EUR/GBP GBP					
03.07.2018	03.07.2018	Execution of FX Purchase Reference: FX/18184/59584 AUD Portfolio: 3000039-70	32,178.62	0.8859 EUR/GBP GBP	57,325.89 1.5782 EUR/AUD	0.8859 EUR/GBP GBP	57,329.10 1.5782 EUR/AUD		-3 -3
GBP/AUD purchase / Trade Date 30.08.2018 Value Date 31.08.2018									
30.08.2018	30.08.2018	FX Purchase Reference: FX/18242/79789 AUD Portfolio: 3000039-70	1,754.68	1.7834 GBP/AUD GBP					
31.08.2018	31.08.2018	Execution of FX Purchase Reference: FX/18242/79789 AUD Portfolio: 3000039-70	1,754.68	1.7937 GBP/AUD GBP	3,147.39	1.7834 GBP/AUD GBP	3,129.26		18 18
AUD/USD purchase / Trade Date 23.01.2018 Value Date 24.01.2018									
23.01.2018	23.01.2018	FX Purchase Reference: FX/18023/67088 AUD Portfolio: 3000039-70	13,284.98	0.7971 AUD/USD USD					
24.01.2018	24.01.2018	Execution of FX Purchase Reference: FX/18023/67088 AUD Portfolio: 3000039-70	13,284.98	0.8054 AUD/USD USD	16,494.88	0.7971 AUD/USD USD	16,666.35		-171 -171

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
AUD/USD purchase / Trade Date 17.04.2018 Value Date 18.04.2018									
17.04.2018	17.04.2018	FX Purchase Reference: FX/18107/47775 AUD Portfolio: 3000039-70	90,909.04	0.7763 AUD/USD USD					
18.04.2018	18.04.2018	Execution of FX Purchase Reference: FX/18107/47775 AUD Portfolio: 3000039-70	90,909.04	0.7758 AUD/USD USD	117,177.25	0.7763 AUD/USD USD	117,099.07		78 78
AUD/USD purchase / Trade Date 30.05.2018 Value Date 30.05.2018									
30.05.2018	30.05.2018	FX Purchase Reference: FX/18150/09310 AUD Portfolio: 3000039-70	56,788.60	0.7486 AUD/USD USD					
30.05.2018	30.05.2018	Execution of FX Purchase Reference: FX/18150/09310 AUD Portfolio: 3000039-70	56,788.60	0.7505 AUD/USD USD	75,667.69	0.7486 AUD/USD USD	75,863.29		-196 -196
AUD/USD purchase / Trade Date 30.08.2018 Value Date 31.08.2018									
30.08.2018	30.08.2018	FX Purchase Reference: FX/18242/14933 AUD Portfolio: 3000039-70	59,128.48	0.7276 AUD/USD USD					
31.08.2018	31.08.2018	Execution of FX Purchase Reference: FX/18242/14933 AUD Portfolio: 3000039-70	59,128.48	0.7252 AUD/USD USD	81,539.65	0.7276 AUD/USD USD	81,262.52		277 277
AUD/USD purchase / Trade Date 30.08.2018 Value Date 04.09.2018									
30.08.2018	30.08.2018	FX Purchase Reference: FX/18242/35681 AUD Portfolio: 3000039-70	5,966.80	0.7290 AUD/USD USD					

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
04.09.2018	04.09.2018	Execution of FX Purchase Reference: FX/18242/35681 AUD Portfolio: 3000039-70	5,966.80	0.7205 AUD/USD USD	8,281.76	0.7290 AUD/USD USD	8,184.80		97 97
AUD/USD purchase / Trade Date 31.08.2018 Value Date 04.09.2018									
31.08.2018	31.08.2018	FX Purchase Reference: FX/18243/10732 AUD Portfolio: 3000039-70	35,846.79	0.7254 AUD/USD USD					
04.09.2018	04.09.2018	Execution of FX Purchase Reference: FX/18243/10732 AUD Portfolio: 3000039-70	35,846.79	0.7205 AUD/USD USD	49,754.38	0.7254 AUD/USD USD	49,414.54		340 340
AUD/USD purchase / Trade Date 31.08.2018 Value Date 04.09.2018									
31.08.2018	31.08.2018	FX Purchase Reference: FX/18243/48938 AUD Portfolio: 3000039-70	26,625.99	0.7250 AUD/USD USD					
04.09.2018	04.09.2018	Execution of FX Purchase Reference: FX/18243/48938 AUD Portfolio: 3000039-70	26,625.99	0.7205 AUD/USD USD	36,956.16	0.7250 AUD/USD USD	36,723.98		232 232
AUD/USD purchase / Trade Date 04.12.2018 Value Date 05.12.2018									
04.12.2018	04.12.2018	FX Purchase Reference: FX/18338/52961 AUD Portfolio: 3000039-70	39,466.03	0.7379 AUD/USD USD					
05.12.2018	05.12.2018	Execution of FX Purchase Reference: FX/18338/52961 AUD Portfolio: 3000039-70	39,466.03	0.7300 AUD/USD USD	54,063.05	0.7379 AUD/USD USD	53,485.41		578 578

Transaction			Number/ Nominal	Transaction Valuation		Cost Valuation		Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
Trade Date	Value Date	Transaction Type		Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate		
AUD/USD purchase / Trade Date 18.12.2018 Value Date 19.12.2018									
18.12.2018	18.12.2018	FX Purchase Reference: FX/18352/35646 AUD Portfolio: 3000039-70	172,852	0.7195 AUD/USD USD					
19.12.2018	19.12.2018	Execution of FX Purchase Reference: FX/18352/35646 AUD Portfolio: 3000039-70	172,852	0.7191 AUD/USD USD	240,372.69	0.7195 AUD/USD USD	240,238.72		134 134
Fixed Income & Similar Investments									
Fixed Income & Similar Investments AUD									
UNITS -D- ISHARES AUSTRALIAN BOND INDEX FUND/ ISIN AU60BGL01056									
06.12.2017	09.01.2018	Adjustment In Reference: SECTSC/18011/88808 AUD Portfolio: 3000039-70	790						
06.12.2017	09.01.2018	Adjustment In Reference: SECTSC/18019/60990 AUD Portfolio: 3000039-70	1.83						
09.01.2018	09.01.2018	Cash Dividend Price AUD 0.006481871 Reference: DIARSC/18011/00013.3000039-70.203915.. AUD Portfolio: 3000039-70	3,795,445.23	AUD				24,602	
11.01.2018	12.01.2018	Security Purchase Reference: SCTRSC/18012/00189 AUD Portfolio: 3000039-70	68,217	1.0291 AUD	-70,201.28				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation		Cost Valuation		Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
				Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate		
19.02.2018	20.02.2018	Security Sale Reference: SCTRSC/18051/00108 AUD Portfolio: 3000039-70	91,993	1.0255 AUD	94,339.19	1.0284 AUD	94,606.40		-267 -267
27.03.2018	12.04.2018	Adjustment In Reference: SECTSC/18104/88008 AUD Portfolio: 3000039-70	897.89						
12.04.2018	12.04.2018	Cash Dividend Price AUD 0.006610666 Reference: DIARSC/18102/70837.3000039-70.203915.. AUD Portfolio: 3000039-70	3,772,569	AUD				24,939	
30.04.2018	01.05.2018	Security Purchase Reference: SCTRSC/18121/00175 AUD Portfolio: 3000039-70	124,082.98	1.0292 AUD	-127,700.00				
29.06.2018	29.06.2018	Adjustment In Reference: SECTSC/18193/35146 AUD Portfolio: 3000039-70	996.81						
10.07.2018	10.07.2018	Cash Dividend Price AUD 0.010845021 Reference: DIARSC/18191/66870.3000039-70.203915.. AUD Portfolio: 3000039-70	3,897,648.79	AUD				42,270	
17.07.2018	18.07.2018	Security Purchase Reference: SCTRSC/18199/00180 AUD Portfolio: 3000039-70	107,196.85	1.0299 AUD	-110,400.00				
31.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18246/00115 AUD Portfolio: 3000039-70	93,382.71	1.0398 AUD	-97,100.00				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
06.09.2018	07.09.2018	Security Purchase Reference: SCTRSC/18250/00181 AUD Portfolio: 3000039-70	86,759.58	1.0385 AUD	-90,100.00				
05.10.2018	05.10.2018	Cash Dividend Price AUD 0.005554099 Reference: DIARSC/18278/53503.3000039-70.203915.. AUD Portfolio: 3000039-70	4,184,987.93	AUD				23,244	
28.11.2018	03.12.2018	Adjustment In Reference: SECTSC/18338/52007 AUD Portfolio: 3000039-70	1,098.48						
UNITS BENTHAM WHOLESALE SYNDICATED LOAN FUND/ ISIN AU60CSA00468									
08.01.2018	11.01.2018	Adjustment In Reference: SECTSC/18017/73302 AUD Portfolio: 3000039-70	103						
11.01.2018	11.01.2018	Cash Dividend Price AUD 0.0042342 Reference: DIARSC/18011/27806.3000039-70.203915.. AUD Portfolio: 3000039-70	216,274.583	AUD				916	
13.02.2018	13.02.2018	Cash Dividend Price AUD 0.0042307 Reference: DIARSC/18044/82191.3000039-70.203915.. AUD Portfolio: 3000039-70	216,377.5921	AUD				915	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
15.03.2018	15.03.2018	Cash Dividend Price AUD 0.0042287 Reference: DIARSC/18074/61012.3000039-70.203915.. AUD Portfolio: 3000039-70	216,377.5921	AUD				915	
30.03.2018	30.03.2018	Adjustment In Reference: SECTSC/18104/66043 AUD Portfolio: 3000039-70	103.837						
13.04.2018	13.04.2018	Cash Dividend Price AUD 0.0042302 Reference: DIARSC/18103/81060.3000039-70.203915.. AUD Portfolio: 3000039-70	216,481.4291	AUD				916	
09.05.2018	09.05.2018	Cash Dividend Price AUD 0.0043332 Reference: DIARSC/18138/17547.3000039-70.203915.. AUD Portfolio: 3000039-70	216,481.4291	AUD				938	
13.06.2018	13.06.2018	Cash Dividend Price AUD 0.0043955 Reference: DIARSC/18165/80902.3000039-70.203915.. AUD Portfolio: 3000039-70	216,481.4291	AUD				952	
20.07.2018	20.07.2018	Cash Dividend Price AUD 0.0046054 Reference: DIARSC/18201/51232.3000039-70.203915.. AUD Portfolio: 3000039-70	216,481.4291	AUD				997	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
30.07.2018	30.07.2018	Adjustment In Reference: SECTSC/18218/11400 AUD Portfolio: 3000039-70	101.2648						
13.08.2018	13.08.2018	Cash Dividend Price AUD 0.0042581 Reference: DIARSC/18225/18771.3000039-70.203915.. AUD Portfolio: 3000039-70	216,582.6939	AUD				922	
06.09.2018	10.09.2018	Security Purchase Reference: SCTRSC/18253/00239 AUD Portfolio: 3000039-70	3,990.2676	1.0275 AUD	-4,100.00				
10.09.2018	10.09.2018	Cash Dividend Price AUD 0.0041425 Reference: DIARSC/18253/88002.3000039-70.203915.. AUD Portfolio: 3000039-70	216,582.6939	AUD				897	
08.10.2018	11.10.2018	Adjustment In Reference: SECTSC/18289/37807 AUD Portfolio: 3000039-70	101.9838						
10.10.2018	10.10.2018	Cash Dividend Price AUD 0.004129 Reference: DIARSC/18283/94904.3000039-70.203915.. AUD Portfolio: 3000039-70	220,572.9615	AUD				911	
05.11.2018	07.11.2018	Security Sale Reference: SCTRSC/18353/00133 AUD Portfolio: 3000039-70	220,674.9453	1.0186 AUD	224,779.50	1.0132 AUD	223,597.02		1,182 1,182

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
09.11.2018	09.11.2018	Cash Dividend Price AUD 0.0041635 Reference: DIARSC/18313/21148.3000039-70.203915.. AUD Portfolio: 3000039-70	220,674.9453	AUD				919	
UNITS PIMCO GLOBAL CREDIT FUND/ ISIN AU60ETL01145									
05.01.2018	05.01.2018	Cash Dividend Price AUD 4.982082004 Reference: DIARSC/18005/35359.3000039-70.203915.. AUD Portfolio: 3000039-70	621.542	AUD				3,097	
10.04.2018	10.04.2018	Cash Dividend Price AUD 0.491648072 Reference: DIARSC/18100/73742.3000039-70.203915.. AUD Portfolio: 3000039-70	621.542	AUD				306	
30.04.2018	01.05.2018	Security Purchase Reference: SCTRSC/18121/00116 AUD Portfolio: 3000039-70	3.986	978.3160 AUD	-3,899.57				
31.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18246/00131 AUD Portfolio: 3000039-70	34.843	990.1432 AUD	-34,499.56				
06.09.2018	07.09.2018	Security Purchase Reference: SCTRSC/18250/00151 AUD Portfolio: 3000039-70	13.955	988.8929 AUD	-13,800.00				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
04.10.2018	04.10.2018	Cash Dividend Price AUD 1.479793 Reference: DIARSC/18277/46021.3000039-70.203915.. AUD Portfolio: 3000039-70	674.326	AUD				998	
UNITS PIMCO AUSTRALIAN BOND FUND CLASS -A-/ ISIN AU60ETL01152									
05.01.2018	05.01.2018	Cash Dividend Price AUD 5.64557066 Reference: DIARSC/18005/94985.3000039-70.203915.. AUD Portfolio: 3000039-70	1,590.877	AUD				8,981	
31.01.2018	05.02.2018	Adjustment In Reference: SECTSC/18037/88543 AUD Portfolio: 3000039-70	0						
09.03.2018	15.03.2018	Adjustment In Reference: SECTSC/18080/16250 AUD Portfolio: 3000039-70	0.03						
30.03.2018	30.03.2018	Adjustment In Reference: SECTSC/18011/10004 AUD Portfolio: 3000039-70	0.118						
18.04.2018	18.04.2018	Cash Dividend Price AUD 5.66294353 Reference: DIARSC/18108/17705.3000039-70.203915.. AUD Portfolio: 3000039-70	1,590.956	AUD				9,009	
30.04.2018	01.05.2018	Security Purchase Reference: SCTRSC/18121/00152 AUD Portfolio: 3000039-70	9.893	1,122.0167 AUD	-11,100.11				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
30.05.2018	30.05.2018	Adjustment In Reference: SECTSC/18147/88003 AUD Portfolio: 3000039-70	0						
29.06.2018	29.06.2018	Adjustment In Reference: SECTSC/18184/80794 AUD Portfolio: 3000039-70	0						
11.07.2018	11.07.2018	Cash Dividend Price AUD 17.25115034 Reference: DIARSC/18192/30034.3000039-70.203915.. AUD Portfolio: 3000039-70	1,601.04	AUD				27,620	
17.07.2018	19.07.2018	Security Purchase Reference: SCTRSC/18200/00072 AUD Portfolio: 3000039-70	51	1,115.4873 AUD	-56,899.89				
20.08.2018	23.08.2018	Adjustment In Reference: SECTSC/18239/60289 AUD Portfolio: 3000039-70	0						
29.08.2018	31.08.2018	Adjustment In Reference: SECTSC/18254/80523 AUD Portfolio: 3000039-70	0.06						
31.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18246/00122 AUD Portfolio: 3000039-70	38.825	1,125.5701 AUD	-43,700.26				
06.09.2018	07.09.2018	Security Purchase Reference: SCTRSC/18250/00152 AUD Portfolio: 3000039-70	35.05	1,124.0476 AUD	-39,400.12				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
08.10.2018	08.10.2018	Cash Dividend Price AUD 2.2432 Reference: DIARSC/18281/46571.3000039-70.203915.. AUD Portfolio: 3000039-70	1,726.04	AUD				3,872	
26.11.2018	28.11.2018	Adjustment In Reference: SECTSC/18334/40787 AUD Portfolio: 3000039-70	0.07						
13.12.2018	18.12.2018	Adjustment In Reference: SECTSC/18352/09005 AUD Portfolio: 3000039-70	0						
27.12.2018	28.12.2018	Adjustment In Reference: SECTSC/18361/00211 AUD Portfolio: 3000039-70	0.07						
UNITS LEGG MASON WESTERN ASSET AUSTRALIAN BOND TRUST CLASS -A-/ ISIN AU60SSB01221									
15.01.2018	15.01.2018	Cash Dividend Price AUD 0.003038288 Reference: DIARSC/18015/71100.3000039-70.203915.. AUD Portfolio: 3000039-70	2,382,275.818	AUD				7,238	
16.01.2018	18.01.2018	Adjustment In Reference: SECTSC/18024/80002 AUD Portfolio: 3000039-70	904.321						
08.02.2018	08.02.2018	Cash Dividend Price AUD 0.0029695 Reference: DIARSC/18039/02555.3000039-70.203915.. AUD Portfolio: 3000039-70	2,383,180.139	AUD				7,077	

Transaction		Transaction Type	Number/ Nominal	Transaction Valuation		Cost Valuation		Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
Trade Date	Value Date			Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate		
09.03.2018	09.03.2018	Cash Dividend Price AUD 0.0027975 Reference: DIARSC/18068/85508.3000039-70.203915.. AUD Portfolio: 3000039-70	2,383,180.139	AUD				6,667	
18.04.2018	18.04.2018	Cash Dividend Price AUD 0.0027221 Reference: DIARSC/18108/27673.3000039-70.203915.. AUD Portfolio: 3000039-70	2,383,180.139	AUD				6,487	
20.04.2018	10.05.2018	Adjustment In Reference: SECTSC/18132/80502 AUD Portfolio: 3000039-70	895.686						
30.04.2018	02.05.2018	Security Purchase Reference: SCTRSC/18122/00060 AUD Portfolio: 3000039-70	14,980.722	1.2216 AUD	-18,300.00				
14.05.2018	14.05.2018	Cash Dividend Price AUD 0.0028317 Reference: DIARSC/18137/38751.3000039-70.203915.. AUD Portfolio: 3000039-70	2,399,056.547	AUD				6,793	
08.06.2018	08.06.2018	Cash Dividend Price AUD 0.0029657 Reference: DIARSC/18159/27310.3000039-70.203915.. AUD Portfolio: 3000039-70	2,399,056.547	AUD				7,115	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
17.07.2018	17.07.2018	Cash Dividend Price AUD 0.003571326 Reference: DIARSC/18198/31016.3000039-70.203915.. AUD Portfolio: 3000039-70	2,399,056.547	AUD				8,568	
17.07.2018	19.07.2018	Security Purchase Reference: SCTRSC/18200/00071 AUD Portfolio: 3000039-70	67,662.423	1.2252 AUD	-82,900.00				
30.07.2018	30.07.2018	Adjustment In Reference: SECTSC/18220/89218 AUD Portfolio: 3000039-70	912.402						
08.08.2018	08.08.2018	Cash Dividend Price AUD 0.003565 Reference: DIARSC/18221/04864.3000039-70.203915.. AUD Portfolio: 3000039-70	2,467,631.372	AUD				8,797	
31.08.2018	04.09.2018	Security Purchase Reference: SCTRSC/18247/00085 AUD Portfolio: 3000039-70	56,258.562	1.2336 AUD	-69,400.00				
10.09.2018	10.09.2018	Cash Dividend Price AUD 0.0029646 Reference: DIARSC/18253/96804.3000039-70.203915.. AUD Portfolio: 3000039-70	2,523,889.934	AUD				7,482	
27.09.2018	01.10.2018	Security Purchase Reference: SCTRSC/18274/00068 AUD Portfolio: 3000039-70	58,563.247	1.2240 AUD	-71,682.00				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
11.10.2018	11.10.2018	Cash Dividend Price AUD 0.0025804 Reference: DIARSC/18284/34228.3000039-70.203915.. AUD Portfolio: 3000039-70	2,582,453.181	AUD				6,664	
30.10.2018	30.10.2018	Adjustment In Reference: SECTSC/18316/34280 AUD Portfolio: 3000039-70	955.735						
09.11.2018	09.11.2018	Cash Dividend Price AUD 0.003496 Reference: DIARSC/18313/01605.3000039-70.203915.. AUD Portfolio: 3000039-70	2,583,408.916	AUD				9,032	
10.12.2018	10.12.2018	Cash Dividend Price AUD 0.0027482 Reference: DIARSC/18344/97752.3000039-70.203915.. AUD Portfolio: 3000039-70	2,583,408.916	AUD				7,100	
UNITS VANGUARD AUSTRALIAN FIXED INTEREST INDEX FUND/ ISIN AU60VAN00014									
10.01.2018	10.01.2018	Cash Dividend Price AUD 0.00960669 Reference: DIARSC/18010/24680.3000039-70.203915.. AUD Portfolio: 3000039-70	2,955,182.66	AUD				28,390	
10.04.2018	10.04.2018	Cash Dividend Price AUD 0.00775386 Reference: DIARSC/18100/00466.3000039-70.203915.. AUD Portfolio: 3000039-70	2,955,182.66	AUD				22,914	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
30.04.2018	01.05.2018	Security Purchase Reference: SCTRSC/18121/00097 AUD Portfolio: 3000039-70	17,587.94	1.1144 AUD	-19,600.00				
15.05.2018	16.05.2018	Security Purchase Reference: SCTRSC/18136/00102 AUD Portfolio: 3000039-70	110,991	1.1144 AUD	-123,688.37				
10.07.2018	10.07.2018	Cash Dividend Price AUD 0.00841466 Reference: DIARSC/18191/81386.3000039-70.203915.. AUD Portfolio: 3000039-70	3,083,761.6	AUD				25,949	
17.07.2018	18.07.2018	Security Purchase Reference: SCTRSC/18199/00152 AUD Portfolio: 3000039-70	93,646.68	1.1191 AUD	-104,800.00				
31.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18246/00102 AUD Portfolio: 3000039-70	73,824.91	1.1297 AUD	-83,400.00				
06.09.2018	07.09.2018	Security Purchase Reference: SCTRSC/18250/00137 AUD Portfolio: 3000039-70	68,818.73	1.1276 AUD	-77,600.00				
08.10.2018	08.10.2018	Cash Dividend Price AUD 0.00608802 Reference: DIARSC/18281/24091.3000039-70.203915.. AUD Portfolio: 3000039-70	3,320,051.92	AUD				20,213	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
Equities & Similar Investments									
Equities & Similar Investments AUD									
RIGHTS WOODSIDE PETROLEUM LTD 2018-07.03.18 FOR SHARES/ ISIN AU0000001091									
15.02.2018	15.02.2018	Issue Premium In in ratio 1:1 Reference: DIARSC/18051/04341.3000039-70.203915.. AUD Portfolio: 3000039-70	62	AUD					
05.03.2018	07.03.2018	Rights Issue in ratio 1:1 Reference: DIARSC/18051/04341.3000039-70.203915.. AUD Portfolio: 3000039-70	62	AUD					
REGISTERED SHS AGL ENERGY LTD/ ISIN AU000000AGL7									
09.01.2018	11.01.2018	Security Purchase Reference: SCTRSC/18009/00156 AUD Portfolio: 3000039-70	581	24.4699 AUD	-14,217.01				
09.03.2018	13.03.2018	Security Sale Reference: SCTRSC/18068/00196 AUD Portfolio: 3000039-70	579	21.7323 AUD	12,583.00	22.5216 AUD	13,039.99		-457 -457
26.03.2018	26.03.2018	Cash Dividend Price AUD 0.54 Reference: DIARSC/18082/20903.3000039-70.203915.. AUD Portfolio: 3000039-70	2,158	AUD				1,165	
05.04.2018	09.04.2018	Security Sale Reference: SCTRSC/18095/00177 AUD Portfolio: 3000039-70	450	21.3341 AUD	9,600.35	22.5216 AUD	10,134.71		-534 -534

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
13.04.2018	17.04.2018	Security Sale Reference: SCTRSC/18103/00099 AUD Portfolio: 3000039-70	474	20.6672 AUD	9,796.25	22.5216 AUD	10,675.23		-879 -879
22.08.2018	24.08.2018	Security Sale Reference: SCTRSC/18235/00061 AUD Portfolio: 3000039-70	378	20.4558 AUD	7,732.29	22.5216 AUD	8,513.16		-781 -781
23.08.2018	27.08.2018	Security Sale Reference: SCTRSC/18235/00172 AUD Portfolio: 3000039-70	277	20.4472 AUD	5,663.87	22.5216 AUD	6,238.48		-575 -575
21.09.2018	21.09.2018	Cash Dividend Price AUD 0.63 Reference: DIARSC/18264/36875.3000039-70.203915.. AUD Portfolio: 3000039-70	655	AUD				413	
REGISTERED SHS AMCOR LTD/ ISIN AU000000AMC4									
08.03.2018	12.03.2018	Security Sale Reference: SCTRSC/18067/00074 AUD Portfolio: 3000039-70	1,097	14.1556 AUD	15,528.69	14.1711 AUD	15,545.71		-17 -17
28.03.2018	28.03.2018	Cash Dividend Price AUD 0.2617 Reference: DIARSC/18082/00918.3000039-70.203915.. AUD Portfolio: 3000039-70	1,097	AUD				287	
REGISTERED SHS AUSTRALIA & NEW ZEALAND BANKING GROUP LTD/ ISIN AU000000ANZ3									
10.04.2018	12.04.2018	Security Sale Reference: SCTRSC/18100/00225 AUD Portfolio: 3000039-70	685	27.0979 AUD	18,562.06	30.3074 AUD	20,760.57		-2,199 -2,199

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
02.07.2018	02.07.2018	Cash Dividend Price AUD 0.8 Reference: DIARSC/18183/72669.3000039-70.203915.. AUD Portfolio: 3000039-70	3,825	AUD				3,060	
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00033 AUD Portfolio: 3000039-70	119	29.0873 AUD	-3,461.39				
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00042 AUD Portfolio: 3000039-70	91	29.4500 AUD	-2,679.95				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00049 AUD Portfolio: 3000039-70	84	29.2600 AUD	-2,457.84				
18.12.2018	18.12.2018	Cash Dividend Price AUD 0.8 Reference: DIARSC/18352/48007.3000039-70.203915.. AUD Portfolio: 3000039-70	4,119	AUD				3,295	
REGISTERED SHS BHP GROUP LTD/ ISIN AU000000BHP4									
10.01.2018	12.01.2018	Security Purchase Reference: SCTRSC/18010/00111 AUD Portfolio: 3000039-70	304	30.9501 AUD	-9,408.83				
12.01.2018	16.01.2018	Security Purchase Reference: SCTRSC/18012/00101 AUD Portfolio: 3000039-70	222	31.4737 AUD	-6,987.16				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
26.02.2018	28.02.2018	Security Purchase Reference: SCTRSC/18057/00206 AUD Portfolio: 3000039-70	418	30.7391 AUD	-12,848.94				
27.03.2018	27.03.2018	Cash Dividend Price AUD 0.70585216 Reference: DIARSC/18086/35612.3000039-70.203915.. AUD Portfolio: 3000039-70	7,250	AUD				5,117	
16.07.2018	18.07.2018	Security Purchase Reference: SCTRSC/18197/00086 AUD Portfolio: 3000039-70	137	33.0795 AUD	-4,531.89				
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00115 AUD Portfolio: 3000039-70	171	33.7852 AUD	-5,777.27				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00061 AUD Portfolio: 3000039-70	157	33.0400 AUD	-5,187.28				
25.09.2018	25.09.2018	Cash Dividend Price AUD 0.88545327 Reference: DIARSC/18268/01822.3000039-70.203915.. AUD Portfolio: 3000039-70	7,715	AUD				6,831	
REGISTERED SHS BORAL LTD/ ISIN AU000000BLD2									
17.01.2018	19.01.2018	Security Purchase Reference: SCTRSC/18017/00152 AUD Portfolio: 3000039-70	1,077	7.6414 AUD	-8,229.79				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
09.03.2018	09.03.2018	Cash Dividend Price AUD 0.125 Reference: DIARSC/18068/92809.3000039-70.203915.. AUD Portfolio: 3000039-70	3,472	AUD				434	
27.04.2018	01.05.2018	Security Sale Reference: SCTRSC/18117/00219 AUD Portfolio: 3000039-70	908	6.6029 AUD	5,995.43	6.3844 AUD	5,797.01		198 198
09.05.2018	11.05.2018	Security Sale Reference: SCTRSC/18129/00106 AUD Portfolio: 3000039-70	1,398	6.4947 AUD	9,079.59	6.3844 AUD	8,925.35		154 154
18.05.2018	22.05.2018	Security Sale Reference: SCTRSC/18138/00171 AUD Portfolio: 3000039-70	1,166	6.4919 AUD	7,569.56	6.3844 AUD	7,444.18		125 125
REGISTERED SHS BRAMBLES LTD/ ISIN AU000000BXB1									
12.04.2018	12.04.2018	Cash Dividend Price AUD 0.145 Reference: DIARSC/18101/13670.3000039-70.203915.. AUD Portfolio: 3000039-70	377	AUD				55	
24.05.2018	28.05.2018	Security Sale Reference: SCTRSC/18144/00142 AUD Portfolio: 3000039-70	377	9.1526 AUD	3,450.53	9.3002 AUD	3,506.17		-56 -56
REGISTERED SHS CARSALES.COM LTD/ ISIN AU000000CAR3									
09.03.2018	13.03.2018	Security Purchase Reference: SCTRSC/18071/00062 AUD Portfolio: 3000039-70	435	14.9958 AUD	-6,523.17				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
26.03.2018	28.03.2018	Security Purchase Reference: SCTRSC/18085/00127 AUD Portfolio: 3000039-70	447	13.8997 AUD	-6,213.17				
19.04.2018	19.04.2018	Cash Dividend Price AUD 0.205 Reference: DIARSC/18109/92378.3000039-70.203915.. AUD Portfolio: 3000039-70	435	AUD				89	
19.04.2018	23.04.2018	Security Purchase Reference: SCTRSC/18109/00203 AUD Portfolio: 3000039-70	455	13.7803 AUD	-6,270.04				
10.10.2018	10.10.2018	Cash Dividend Price AUD 0.237 Reference: DIARSC/18283/41272.3000039-70.203915.. AUD Portfolio: 3000039-70	1,337	AUD				317	
REGISTERED SHS COMMONWEALTH BANK OF AUSTRALIA/ ISIN AU000000CBA7									
28.03.2018	28.03.2018	Cash Dividend Price AUD 2 Reference: DIARSC/18082/92370.3000039-70.203915.. AUD Portfolio: 3000039-70	2,111	AUD				4,222	
16.07.2018	18.07.2018	Security Purchase Reference: SCTRSC/18197/00032 AUD Portfolio: 3000039-70	91	74.4095 AUD	-6,771.26				
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00052 AUD Portfolio: 3000039-70	51	72.8997 AUD	-3,717.88				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00051 AUD Portfolio: 3000039-70	47	71.2400 AUD	-3,348.28				
28.09.2018	28.09.2018	Cash Dividend Price AUD 2.31 Reference: DIARSC/18271/42228.3000039-70.203915.. AUD Portfolio: 3000039-70	2,202	AUD				5,087	
REGISTERED SHS CIMIC GROUP LTD/ ISIN AU000000CIM7									
17.10.2018	19.10.2018	Security Purchase Reference: SCTRSC/18353/00066 AUD Portfolio: 3000039-70	147	47.5139 AUD	-6,984.54				
24.10.2018	26.10.2018	Security Purchase Reference: SCTRSC/18353/00215 AUD Portfolio: 3000039-70	149	47.8706 AUD	-7,132.72				
REGISTERED SHS COCHLEAR LTD/ ISIN AU000000COH5									
17.12.2018	19.12.2018	Security Purchase Reference: SCTRSC/18351/00130 AUD Portfolio: 3000039-70	53	173.7541 AUD	-9,208.97				
REGISTERED SHS COMPUTERSHARE LTD/ ISIN AU000000CPU5									
12.01.2018	16.01.2018	Security Purchase Reference: SCTRSC/18012/00109 AUD Portfolio: 3000039-70	772	16.3279 AUD	-12,605.14				
22.02.2018	26.02.2018	Security Purchase Reference: SCTRSC/18053/00148 AUD Portfolio: 3000039-70	708	18.2467 AUD	-12,918.66				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
09.03.2018	13.03.2018	Security Purchase Reference: SCTRSC/18071/00078 AUD Portfolio: 3000039-70	725	17.8631 AUD	-12,950.75				
16.03.2018	16.03.2018	Cash Dividend Price AUD 0.19 Reference: DIARSC/18075/92437.3000039-70.203915.. AUD Portfolio: 3000039-70	1,941	AUD				369	
11.07.2018	13.07.2018	Security Purchase Reference: SCTRSC/18192/00086 AUD Portfolio: 3000039-70	316	18.1725 AUD	-5,742.51				
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00016 AUD Portfolio: 3000039-70	96	17.9500 AUD	-1,723.20				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00064 AUD Portfolio: 3000039-70	166	19.2400 AUD	-3,193.84				
17.09.2018	17.09.2018	Cash Dividend Price AUD 0.21 Reference: DIARSC/18257/05267.3000039-70.203915.. AUD Portfolio: 3000039-70	3,786	AUD				795	
REGISTERED SHS CSL LTD/ ISIN AU000000CSL8									
26.02.2018	28.02.2018	Security Sale Reference: SCTRSC/18057/00210 AUD Portfolio: 3000039-70	107	162.2046 AUD	17,355.89	96.7184 AUD	10,348.87		7,007 7,007

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
13.04.2018	13.04.2018	Cash Dividend Price AUD 1.004959 Reference: DIARSC/18103/60882.3000039-70.203915.. AUD Portfolio: 3000039-70	1,233	AUD				1,239	
16.07.2018	18.07.2018	Security Purchase Reference: SCTRSC/18197/00089 AUD Portfolio: 3000039-70	35	199.3074 AUD	-6,975.76				
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00046 AUD Portfolio: 3000039-70	29	226.1900 AUD	-6,559.51				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00066 AUD Portfolio: 3000039-70	27	229.7300 AUD	-6,202.71				
12.10.2018	12.10.2018	Cash Dividend Price AUD 1.278192 Reference: DIARSC/18285/65208.3000039-70.203915.. AUD Portfolio: 3000039-70	1,324	AUD				1,692	
13.12.2018	17.12.2018	Security Sale Reference: SCTRSC/18347/00124 AUD Portfolio: 3000039-70	47	181.7276 AUD	8,541.20	104.9787 AUD	4,934.00		3,607 3,607
REGISTERED SHS DOMAIN HOLDINGS AUSTRALIA LTD/ ISIN AU000000DHG9									
12.03.2018	12.03.2018	Cash Dividend Price AUD 0.04 Reference: DIARSC/18071/23348.3000039-70.203915.. AUD Portfolio: 3000039-70	1,086	AUD				43	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
05.04.2018	09.04.2018	Security Sale Reference: SCTRSC/18095/00145 AUD Portfolio: 3000039-70	1,086	3.1091 AUD	3,376.48	2.7694 AUD	3,007.61		369 369
REGISTERED SHS EVOLUTION MINING LTD/ ISIN AU000000EVN4									
29.03.2018	29.03.2018	Cash Dividend Price AUD 0.035 Reference: DIARSC/18088/70534.3000039-70.203915.. AUD Portfolio: 3000039-70	8,668	AUD				303	
23.04.2018	26.04.2018	Security Sale Reference: SCTRSC/18113/00166 AUD Portfolio: 3000039-70	1,828	3.1501 AUD	5,758.38	2.4387 AUD	4,458.03		1,300 1,300
28.09.2018	28.09.2018	Cash Dividend Price AUD 0.04 Reference: DIARSC/18271/87880.3000039-70.203915.. AUD Portfolio: 3000039-70	6,840	AUD				274	
REGISTERED SHS FORTESCUE METALS GROUP LTD/ ISIN AU000000FMG4									
16.01.2018	18.01.2018	Security Purchase Reference: SCTRSC/18016/00120 AUD Portfolio: 3000039-70	1,801	5.3201 AUD	-9,581.50				
05.04.2018	05.04.2018	Cash Dividend Price AUD 0.11 Reference: DIARSC/18095/05582.3000039-70.203915.. AUD Portfolio: 3000039-70	4,752	AUD				523	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
11.07.2018	13.07.2018	Security Sale Reference: SCTRSC/18192/00106 AUD Portfolio: 3000039-70	1,002	4.3798 AUD	4,388.56	5.0451 AUD	5,055.22		-667 -667
02.10.2018	02.10.2018	Cash Dividend Price AUD 0.12 Reference: DIARSC/18275/55134.3000039-70.203915.. AUD Portfolio: 3000039-70	3,750	AUD				450	
UNITS ISHARES CORE S&P/ASX 200 ETF EXCHANGE TRADED FUND/ ISIN AU000000IOZ4									
16.01.2018	16.01.2018	Cash Dividend Price AUD 0.16600568 Reference: DIARSC/18016/20080.3000039-70.203915.. AUD Portfolio: 3000039-70	6,018	AUD				999	
16.04.2018	16.04.2018	Cash Dividend Price AUD 0.21061354 Reference: DIARSC/18106/69208.3000039-70.203915.. AUD Portfolio: 3000039-70	6,018	AUD				1,267	
03.05.2018	07.05.2018	Security Purchase Reference: SCTRSC/18123/00171 AUD Portfolio: 3000039-70	1,122	25.1274 AUD	-28,192.94				
12.07.2018	12.07.2018	Cash Dividend Price AUD 0.19427512 Reference: DIARSC/18194/42909.3000039-70.203915.. AUD Portfolio: 3000039-70	7,140	AUD				1,387	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00057 AUD Portfolio: 3000039-70	158	25.7328 AUD	-4,065.78				
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00108 AUD Portfolio: 3000039-70	113	26.4056 AUD	-2,983.83				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00057 AUD Portfolio: 3000039-70	201	26.2600 AUD	-5,278.26				
17.10.2018	17.10.2018	Cash Dividend Price AUD 0.42759328 Reference: DIARSC/18290/62893.3000039-70.203915.. AUD Portfolio: 3000039-70	7,612	AUD				3,255	
CHESS UNITS OF FOREIGN SECURITIES JAMES HARDIE INDUSTRIES PLC/ ISIN AU000000JHX1									
23.02.2018	23.02.2018	Cash Dividend Price AUD 0.13203 Reference: DIARSC/18054/51980.3000039-70.203915.. AUD Portfolio: 3000039-70	1,335	AUD				141	
13.03.2018	15.03.2018	Security Purchase Reference: SCTRSC/18072/00099 AUD Portfolio: 3000039-70	844	22.7757 AUD	-19,222.69				
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00021 AUD Portfolio: 3000039-70	75	22.1336 AUD	-1,660.02				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
03.08.2018	03.08.2018	Cash Dividend Price AUD 0.3918 Reference: DIARSC/18215/20029.3000039-70.203915.. AUD Portfolio: 3000039-70	2,179	AUD				683	
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00058 AUD Portfolio: 3000039-70	98	21.2850 AUD	-2,085.93				
REGISTERED SHS MAGELLAN FINANCIAL GROUP LTD/ ISIN AU000000MFG4									
20.02.2018	20.02.2018	Cash Dividend Price AUD 0.445 Reference: DIARSC/18051/21653.3000039-70.203915.. AUD Portfolio: 3000039-70	733	AUD				326	
04.07.2018	06.07.2018	Security Purchase Reference: SCTRSC/18185/00128 AUD Portfolio: 3000039-70	318	22.1761 AUD	-7,052.00				
27.08.2018	27.08.2018	Cash Dividend Price AUD 0.9 Reference: DIARSC/18239/45769.3000039-70.203915.. AUD Portfolio: 3000039-70	1,051	AUD				946	
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00050 AUD Portfolio: 3000039-70	78	27.9750 AUD	-2,182.05				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
REGISTERED SHS MACQUARIE GROUP LTD/ ISIN AU000000MQG1									
03.07.2018	03.07.2018	Cash Dividend Price AUD 3.2 Reference: DIARSC/18184/22588.3000039-70.203915.. AUD Portfolio: 3000039-70	1,072	AUD				3,430	
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00026 AUD Portfolio: 3000039-70	16	125.5450 AUD	-2,008.72				
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00054 AUD Portfolio: 3000039-70	25	127.2693 AUD	-3,181.73				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00070 AUD Portfolio: 3000039-70	23	129.3900 AUD	-2,975.97				
18.12.2018	18.12.2018	Cash Dividend Price AUD 2.15 Reference: DIARSC/18352/15005.3000039-70.203915.. AUD Portfolio: 3000039-70	1,136	AUD				2,442	
REGISTERED SHS NATIONAL AUSTRALIA BANK LTD/ ISIN AU000000NAB4									
05.07.2018	05.07.2018	Cash Dividend Price AUD 0.99 Reference: DIARSC/18186/85052.3000039-70.203915.. AUD Portfolio: 3000039-70	4,972	AUD				4,922	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00121 AUD Portfolio: 3000039-70	95	28.3408 AUD	-2,692.38				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00069 AUD Portfolio: 3000039-70	105	28.4400 AUD	-2,986.20				
14.12.2018	14.12.2018	Cash Dividend Price AUD 0.99 Reference: DIARSC/18348/46777.3000039-70.203915.. AUD Portfolio: 3000039-70	5,172	AUD				5,120	
REGISTERED SHS NEWCREST MINING LTD/ ISIN AU000000NCM7									
23.04.2018	26.04.2018	Security Purchase Reference: SCTRSC/18113/00147 AUD Portfolio: 3000039-70	464	20.5392 AUD	-9,530.19				
02.05.2018	02.05.2018	Cash Dividend Price AUD 0.09684917 Reference: DIARSC/18113/35603.3000039-70.203915.. AUD Portfolio: 3000039-70	540	AUD				52	
05.10.2018	05.10.2018	Cash Dividend Price AUD 0.15049938 Reference: DIARSC/18278/82970.3000039-70.203915.. AUD Portfolio: 3000039-70	1,004	AUD				151	
25.10.2018	29.10.2018	Security Sale Reference: SCTRSC/18298/00160 AUD Portfolio: 3000039-70	69	21.3166 AUD	1,470.85	22.6903 AUD	1,565.63		-95 -95

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
REGISTERED SHS ORORA LTD/ ISIN AU000000ORA8									
16.04.2018	16.04.2018	Cash Dividend Price AUD 0.06 Reference: DIARSC/18106/58627.3000039-70.203915.. AUD Portfolio: 3000039-70	13,637	AUD				818	
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00019 AUD Portfolio: 3000039-70	591	3.6500 AUD	-2,157.15				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00047 AUD Portfolio: 3000039-70	627	3.5500 AUD	-2,225.85				
15.10.2018	15.10.2018	Cash Dividend Price AUD 0.065 Reference: DIARSC/18288/00422.3000039-70.203915.. AUD Portfolio: 3000039-70	14,855	AUD				966	
REGISTERED SHS ORIGIN ENERGY LTD/ ISIN AU000000ORG5									
10.01.2018	12.01.2018	Security Purchase Reference: SCTRSC/18010/00097 AUD Portfolio: 3000039-70	657	9.5285 AUD	-6,260.22				
09.07.2018	11.07.2018	Security Purchase Reference: SCTRSC/18190/00114 AUD Portfolio: 3000039-70	517	10.0575 AUD	-5,199.73				
11.07.2018	13.07.2018	Security Purchase Reference: SCTRSC/18192/00075 AUD Portfolio: 3000039-70	707	9.6933 AUD	-6,853.16				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00023 AUD Portfolio: 3000039-70	199	9.4400 AUD	-1,878.56				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00054 AUD Portfolio: 3000039-70	351	7.8600 AUD	-2,758.86				
REGISTERED SHS QANTAS AIRWAYS LTD/ ISIN AU000000QAN2									
06.06.2018	08.06.2018	Security Purchase Reference: SCTRSC/18157/00214 AUD Portfolio: 3000039-70	1,036	6.4054 AUD	-6,635.99				
07.06.2018	12.06.2018	Security Purchase Reference: SCTRSC/18159/00153 AUD Portfolio: 3000039-70	1,447	6.4951 AUD	-9,398.41				
13.06.2018	15.06.2018	Security Purchase Reference: SCTRSC/18164/00225 AUD Portfolio: 3000039-70	2,044	6.5395 AUD	-13,366.74				
11.07.2018	13.07.2018	Security Purchase Reference: SCTRSC/18192/00150 AUD Portfolio: 3000039-70	1,048	6.5766 AUD	-6,892.28				
23.07.2018	25.07.2018	Security Purchase Reference: SCTRSC/18204/00141 AUD Portfolio: 3000039-70	1,169	6.6923 AUD	-7,823.30				
27.08.2018	29.08.2018	Security Purchase Reference: SCTRSC/18239/00146 AUD Portfolio: 3000039-70	1,543	6.3877 AUD	-9,856.22				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00176 AUD Portfolio: 3000039-70	852	6.4398 AUD	-5,486.71				
10.10.2018	10.10.2018	Cash Dividend Price AUD 0.1 Reference: DIARSC/18283/27364.3000039-70.203915.. AUD Portfolio: 3000039-70	9,139	AUD				914	
REGISTERED SHS REA GROUP LTD/ ISIN AU0000000REA9									
16.03.2018	16.03.2018	Cash Dividend Price AUD 0.47 Reference: DIARSC/18075/70414.3000039-70.203915.. AUD Portfolio: 3000039-70	656	AUD				308	
28.06.2018	02.07.2018	Security Sale Reference: SCTRSC/18179/00154 AUD Portfolio: 3000039-70	70	90.7070 AUD	6,349.49	61.1166 AUD	4,278.16		2,071 2,071
20.07.2018	24.07.2018	Security Sale Reference: SCTRSC/18201/00092 AUD Portfolio: 3000039-70	64	89.4109 AUD	5,722.30	61.1166 AUD	3,911.46		1,811 1,811
27.07.2018	31.07.2018	Security Sale Reference: SCTRSC/18208/00166 AUD Portfolio: 3000039-70	144	89.5152 AUD	12,890.19	61.1165 AUD	8,800.78		4,089 4,089
30.07.2018	01.08.2018	Security Sale Reference: SCTRSC/18211/00135 AUD Portfolio: 3000039-70	47	88.7435 AUD	4,170.94	61.1166 AUD	2,872.48		1,298 1,298

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
01.08.2018	03.08.2018	Security Sale Reference: SCTRSC/18213/00175 AUD Portfolio: 3000039-70	39	86.0143 AUD	3,354.56	61.1164 AUD	2,383.54		971 971
02.08.2018	06.08.2018	Security Sale Reference: SCTRSC/18214/00101 AUD Portfolio: 3000039-70	64	85.0990 AUD	5,446.34	61.1166 AUD	3,911.46		1,535 1,535
03.08.2018	07.08.2018	Security Sale Reference: SCTRSC/18215/00128 AUD Portfolio: 3000039-70	7	85.5475 AUD	598.83	61.1171 AUD	427.82		171 171
07.08.2018	09.08.2018	Security Sale Reference: SCTRSC/18219/00164 AUD Portfolio: 3000039-70	53	81.3806 AUD	4,313.17	61.1166 AUD	3,239.18		1,074 1,074
08.08.2018	10.08.2018	Security Sale Reference: SCTRSC/18220/00221 AUD Portfolio: 3000039-70	87	81.3025 AUD	7,073.32	61.1164 AUD	5,317.13		1,756 1,756
13.09.2018	13.09.2018	Cash Dividend Price AUD 0.62 Reference: DIARSC/18256/17522.3000039-70.203915.. AUD Portfolio: 3000039-70	81	AUD				50	
24.10.2018	26.10.2018	Security Sale Reference: SCTRSC/18353/00151 AUD Portfolio: 3000039-70	81	70.9633 AUD	5,748.03	61.1165 AUD	4,950.44		798 798
REGISTERED SHS RIO TINTO LTD/ ISIN AU000000RIO1									
05.02.2018	07.02.2018	Security Purchase Reference: SCTRSC/18036/00185 AUD Portfolio: 3000039-70	267	76.5535 AUD	-20,439.78				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
13.02.2018	15.02.2018	Security Purchase Reference: SCTRSC/18044/00174 AUD Portfolio: 3000039-70	160	79.0857 AUD	-12,653.71				
12.04.2018	12.04.2018	Cash Dividend Price AUD 2.2853 Reference: DIARSC/18102/81483.3000039-70.203915.. AUD Portfolio: 3000039-70	1,560	AUD				3,565	
11.07.2018	13.07.2018	Security Sale Reference: SCTRSC/18192/00062 AUD Portfolio: 3000039-70	178	80.1492 AUD	14,266.56	65.7392 AUD	11,701.57		2,565 2,565
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00020 AUD Portfolio: 3000039-70	35	82.5999 AUD	-2,891.00				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00062 AUD Portfolio: 3000039-70	62	72.0600 AUD	-4,467.72				
20.09.2018	20.09.2018	Cash Dividend Price AUD 1.7084 Reference: DIARSC/18263/57257.3000039-70.203915.. AUD Portfolio: 3000039-70	1,417	AUD				2,421	
SHS RESMED INC CHESS DEPOSITORY INTERESTS REPR 1/10 SH/ ISIN AU000000RMD6									
15.03.2018	15.03.2018	Cash Dividend Price AUD 0.0449855 Reference: DIARSC/18073/44078.3000039-70.203915.. AUD Portfolio: 3000039-70	2,131	AUD				81	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
06.04.2018	10.04.2018	Security Sale Reference: SCTRSC/18096/00127 AUD Portfolio: 3000039-70	883	12.2547 AUD	10,820.90	9.4680 AUD	8,360.26		2,461 2,461
14.06.2018	14.06.2018	Cash Dividend Price AUD 0.046462499 Reference: DIARSC/18165/32083.3000039-70.203915.. AUD Portfolio: 3000039-70	1,248	AUD				49	
20.09.2018	20.09.2018	Cash Dividend Price AUD 0.0509638 Reference: DIARSC/18263/25102.3000039-70.203915.. AUD Portfolio: 3000039-70	1,248	AUD				54	
29.10.2018	31.10.2018	Security Purchase Reference: SCTRSC/18353/00157 AUD Portfolio: 3000039-70	664	14.7283 AUD	-9,779.59				
13.12.2018	13.12.2018	Cash Dividend Price AUD 0.0509786 Reference: DIARSC/18347/60016.3000039-70.203915.. AUD Portfolio: 3000039-70	1,912	AUD				83	
17.12.2018	19.12.2018	Security Purchase Reference: SCTRSC/18351/00103 AUD Portfolio: 3000039-70	1,067	15.8396 AUD	-16,900.85				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
UNITS SPDR S&P/ASX 200 LISTED PROPERTY FUND EXCHANGE TRADED FUND/ ISIN AU000000SLF1									
01.03.2018	01.03.2018	Cash Dividend Price AUD 0.131432 Reference: DIARSC/18060/60085.3000039-70.203915.. AUD Portfolio: 3000039-70	41,531	AUD				5,459	
28.05.2018	28.05.2018	Cash Dividend Price AUD 0.100169 Reference: DIARSC/18148/44053.3000039-70.203915.. AUD Portfolio: 3000039-70	41,531	AUD				4,160	
29.05.2018	31.05.2018	Security Sale Reference: SCTRSC/18150/00167 AUD Portfolio: 3000039-70	7,181	13.1000 AUD	94,071.10	11.8281 AUD	84,937.71		9,133 9,133
23.08.2018	27.08.2018	Security Sale Reference: SCTRSC/18235/00150 AUD Portfolio: 3000039-70	55	12.9134 AUD	710.24	11.8282 AUD	650.55		60 60
24.08.2018	28.08.2018	Security Sale Reference: SCTRSC/18236/00210 AUD Portfolio: 3000039-70	3,925	12.9072 AUD	50,660.76	11.8281 AUD	46,425.36		4,235 4,235
28.08.2018	28.08.2018	Cash Dividend Price AUD 0.774928 Reference: DIARSC/18240/58249.3000039-70.203915.. AUD Portfolio: 3000039-70	34,350	AUD				26,619	
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00079 AUD Portfolio: 3000039-70	662	13.1002 AUD	-8,672.33				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00068 AUD Portfolio: 3000039-70	646	13.0700 AUD	-8,443.22				
27.11.2018	27.11.2018	Cash Dividend Price AUD 0.071968 Reference: DIARSC/18331/26113.3000039-70.203915.. AUD Portfolio: 3000039-70	31,678	AUD				2,280	
UNITS SPDR S&P/ASX 200 FUND ETF AUSTRALIAN EQUITY EXCHANGE TRADED FUNDS/ ISIN AU000000STW9									
09.01.2018	11.01.2018	Security Sale Reference: SCTRSC/18009/00179 AUD Portfolio: 3000039-70	456	57.2841 AUD	26,121.55	52.5639 AUD	23,969.16		2,152 2,152
11.01.2018	11.01.2018	Cash Dividend Price AUD 0.500337 Reference: DIARSC/18011/66070.3000039-70.203915.. AUD Portfolio: 3000039-70	9,589	AUD				4,798	
15.01.2018	17.01.2018	Security Sale Reference: SCTRSC/18015/00098 AUD Portfolio: 3000039-70	4,503	56.7105 AUD	255,367.38	52.5639 AUD	236,695.41		18,672 18,672
28.03.2018	03.04.2018	Security Sale Reference: SCTRSC/18087/00092 AUD Portfolio: 3000039-70	216	54.1398 AUD	11,694.20	52.5639 AUD	11,353.81		340 340
12.04.2018	12.04.2018	Cash Dividend Price AUD 0.529824 Reference: DIARSC/18102/63320.3000039-70.203915.. AUD Portfolio: 3000039-70	4,630	AUD				2,453	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
13.06.2018	15.06.2018	Security Sale Reference: SCTRSC/18164/00201 AUD Portfolio: 3000039-70	230	56.6122 AUD	13,020.81	52.5640 AUD	12,089.71		931 931
20.06.2018	22.06.2018	Security Sale Reference: SCTRSC/18171/00139 AUD Portfolio: 3000039-70	2,044	58.0074 AUD	118,567.13	52.5639 AUD	107,440.69		11,126 11,126
11.07.2018	11.07.2018	Cash Dividend Price AUD 0.384273 Reference: DIARSC/18192/65625.3000039-70.203915.. AUD Portfolio: 3000039-70	2,140	AUD				822	
16.07.2018	18.07.2018	Security Purchase Reference: SCTRSC/18197/00087 AUD Portfolio: 3000039-70	60	58.4602 AUD	-3,507.61				
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00059 AUD Portfolio: 3000039-70	1,088	58.4961 AUD	-63,643.76				
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00078 AUD Portfolio: 3000039-70	77	60.0346 AUD	-4,622.66				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00056 AUD Portfolio: 3000039-70	70	59.6900 AUD	-4,178.30				
10.09.2018	12.09.2018	Security Purchase Reference: SCTRSC/18253/00232 AUD Portfolio: 3000039-70	127	58.1520 AUD	-7,385.30				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
11.09.2018	13.09.2018	Security Purchase Reference: SCTRSC/18254/00247 AUD Portfolio: 3000039-70	847	58.4976 AUD	-49,547.47				
26.09.2018	28.09.2018	Security Purchase Reference: SCTRSC/18270/00109 AUD Portfolio: 3000039-70	785	58.7115 AUD	-46,088.53				
11.10.2018	11.10.2018	Cash Dividend Price AUD 0.93093 Reference: DIARSC/18284/00913.3000039-70.203915.. AUD Portfolio: 3000039-70	5,194	AUD				4,835	
12.10.2018	16.10.2018	Security Sale Reference: SCTRSC/18285/00194 AUD Portfolio: 3000039-70	115	54.8834 AUD	6,311.59	56.1149 AUD	6,453.21		-142 -142
16.10.2018	18.10.2018	Security Sale Reference: SCTRSC/18353/00196 AUD Portfolio: 3000039-70	125	54.7696 AUD	6,846.20	56.1148 AUD	7,014.35		-168 -168
18.10.2018	22.10.2018	Security Sale Reference: SCTRSC/18291/00136 AUD Portfolio: 3000039-70	252	55.3801 AUD	13,955.79	56.1148 AUD	14,140.94		-185 -185
29.10.2018	31.10.2018	Security Sale Reference: SCTRSC/18353/00162 AUD Portfolio: 3000039-70	110	53.4871 AUD	5,883.58	56.1148 AUD	6,172.63		-289 -289
REGISTERED SHS SUNCORP GROUP LTD/ ISIN AU000000SUN6									
09.01.2018	11.01.2018	Security Sale Reference: SCTRSC/18009/00169 AUD Portfolio: 3000039-70	775	13.8165 AUD	10,707.79	13.6846 AUD	10,605.59		102 102

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
12.01.2018	16.01.2018	Security Sale Reference: SCTRSC/18012/00146 AUD Portfolio: 3000039-70	913	13.5421 AUD	12,363.94	13.6846 AUD	12,494.07		-130 -130
05.04.2018	05.04.2018	Cash Dividend Price AUD 0.33 Reference: DIARSC/18087/13767.3000039-70.203915.. AUD Portfolio: 3000039-70	3,670	AUD				1,211	
11.07.2018	13.07.2018	Security Sale Reference: SCTRSC/18192/00159 AUD Portfolio: 3000039-70	912	14.8717 AUD	13,562.99	13.6846 AUD	12,480.38		1,083 1,083
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00048 AUD Portfolio: 3000039-70	195	15.4050 AUD	-3,003.98				
12.09.2018	14.09.2018	Security Sale Reference: SCTRSC/18255/00159 AUD Portfolio: 3000039-70	868	14.5134 AUD	12,597.63	13.7982 AUD	11,976.87		621 621
19.09.2018	19.09.2018	Cash Dividend Price AUD 0.48 Reference: DIARSC/18262/27907.3000039-70.203915.. AUD Portfolio: 3000039-70	2,758	AUD				1,324	
STAPLED SECURITY TRANSURBAN GROUP/ ISIN AU000000TCL6									
02.01.2018	02.01.2018	Security Change In in ratio 1:1 Reference: DIARSC/18002/75940.3000039-70.203915.. AUD Portfolio: 3000039-70	708	AUD					

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
15.01.2018	17.01.2018	Security Sale Reference: SCTRSC/18015/00117 AUD Portfolio: 3000039-70	2,224	11.7014 AUD	26,023.91	10.5010 AUD	23,354.24		2,670 2,670
05.02.2018	07.02.2018	Security Sale Reference: SCTRSC/18036/00179 AUD Portfolio: 3000039-70	1,076	11.6717 AUD	12,558.75	10.5010 AUD	11,299.08		1,260 1,260
16.02.2018	16.02.2018	Cash Dividend Price AUD 0.28 Reference: DIARSC/18043/00319.3000039-70.203915.. AUD Portfolio: 3000039-70	8,737	AUD				2,446	
22.02.2018	26.02.2018	Security Sale Reference: SCTRSC/18053/00178 AUD Portfolio: 3000039-70	1,063	11.4587 AUD	12,180.60	10.5010 AUD	11,162.57		1,018 1,018
16.07.2018	18.07.2018	Security Purchase Reference: SCTRSC/18197/00031 AUD Portfolio: 3000039-70	257	11.8050 AUD	-3,033.89				
10.08.2018	10.08.2018	Cash Dividend Price AUD 0.28 Reference: DIARSC/18222/20632.3000039-70.203915.. AUD Portfolio: 3000039-70	5,082	AUD				1,423	
05.09.2018	07.09.2018	Security Purchase Reference: SCTRSC/18248/00008 AUD Portfolio: 3000039-70	239	11.7800 AUD	-2,815.42				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
11.09.2018	11.09.2018	Rights Issue in ratio 1:1 Reference: DIARSC/18247/69420.3000039-70.203915.. AUD Portfolio: 3000039-70	936	10.8000 AUD	-10,108.80				
01.10.2018	01.10.2018	Cash Distribution Reference: FT/18275/36369 AUD Portfolio: 3000039-70		AUD					
REGISTERED SHS TELSTRA CORPORATION LTD/ ISIN AU000000TLS2									
29.03.2018	29.03.2018	Cash Dividend Price AUD 0.11 Reference: DIARSC/18082/98162.3000039-70.203915.. AUD Portfolio: 3000039-70	9,963	AUD				1,096	
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00028 AUD Portfolio: 3000039-70	910	2.7450 AUD	-2,497.95				
27.09.2018	27.09.2018	Cash Dividend Price AUD 0.11 Reference: DIARSC/18269/50455.3000039-70.203915.. AUD Portfolio: 3000039-70	10,873	AUD				1,196	
REGISTERED SHS WESTPAC BANKING CORP/ ISIN AU000000WBC1									
13.06.2018	15.06.2018	Security Sale Reference: SCTRSC/18164/00240 AUD Portfolio: 3000039-70	468	27.3705 AUD	12,809.39	32.5337 AUD	15,225.79		-2,416 -2,416

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
04.07.2018	04.07.2018	Cash Dividend Price AUD 0.94 Reference: DIARSC/18185/70957.3000039-70.203915.. AUD Portfolio: 3000039-70	5,460	AUD				5,132	
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00062 AUD Portfolio: 3000039-70	145	29.2997 AUD	-4,248.46				
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00047 AUD Portfolio: 3000039-70	118	28.7884 AUD	-3,397.03				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00059 AUD Portfolio: 3000039-70	109	28.5871 AUD	-3,115.99				
20.12.2018	20.12.2018	Cash Dividend Price AUD 0.94 Reference: DIARSC/18354/46612.3000039-70.203915.. AUD Portfolio: 3000039-70	5,364	AUD				5,042	
REGISTERED SHS WESFARMERS LTD/ ISIN AU000000WES1									
28.03.2018	03.04.2018	Security Purchase Reference: SCTRSC/18087/00119 AUD Portfolio: 3000039-70	110	41.7461 AUD	-4,592.07				
05.04.2018	05.04.2018	Cash Dividend Price AUD 1.03 Reference: DIARSC/18095/17704.3000039-70.203915.. AUD Portfolio: 3000039-70	768	AUD				791	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
05.04.2018	09.04.2018	Security Purchase Reference: SCTRSC/18095/00156 AUD Portfolio: 3000039-70	236	41.8341 AUD	-9,872.85				
10.04.2018	12.04.2018	Security Purchase Reference: SCTRSC/18100/00209 AUD Portfolio: 3000039-70	297	41.9808 AUD	-12,468.30				
09.05.2018	11.05.2018	Security Purchase Reference: SCTRSC/18129/00144 AUD Portfolio: 3000039-70	304	44.0081 AUD	-13,378.46				
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00029 AUD Portfolio: 3000039-70	39	48.8750 AUD	-1,906.13				
30.07.2018	01.08.2018	Security Sale Reference: SCTRSC/18211/00140 AUD Portfolio: 3000039-70	285	49.5958 AUD	14,134.80	43.4520 AUD	12,383.82		1,751 1,751
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00063 AUD Portfolio: 3000039-70	64	51.7800 AUD	-3,313.92				
27.09.2018	27.09.2018	Cash Dividend Price AUD 1.2 Reference: DIARSC/18269/81898.3000039-70.203915.. AUD Portfolio: 3000039-70	1,469	AUD				1,763	
23.11.2018	23.11.2018	Spin Off In in ratio 1:1 Reference: DIARSC/18354/68306.3000039-70.203915.. AUD Portfolio: 3000039-70	0	31.3065 AUD					

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
23.11.2018	23.11.2018	Spin Off Out in ratio 1:1 Reference: DIARSC/18354/68306.3000039-70.203915.. AUD Portfolio: 3000039-70	1,533	43.7997 AUD					
28.11.2018	30.11.2018	Security Sale Reference: SCTRSC/18353/00164 AUD Portfolio: 3000039-70	402	31.4201 AUD	12,630.88	31.3065 AUD	12,585.21		46 46
05.12.2018	07.12.2018	Security Sale Reference: SCTRSC/18353/00234 AUD Portfolio: 3000039-70	297	31.1789 AUD	9,260.13	31.3065 AUD	9,298.03		-38 -38
REGISTERED SHS WOOLWORTHS GROUP LTD/ ISIN AU000000WOW2									
06.04.2018	06.04.2018	Cash Dividend Price AUD 0.43 Reference: DIARSC/18096/04650.3000039-70.203915.. AUD Portfolio: 3000039-70	2,164	AUD				931	
09.05.2018	11.05.2018	Security Sale Reference: SCTRSC/18129/00157 AUD Portfolio: 3000039-70	388	28.6036 AUD	11,098.20	29.0818 AUD	11,283.73		-186 -186
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00031 AUD Portfolio: 3000039-70	46	30.2350 AUD	-1,390.81				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00055 AUD Portfolio: 3000039-70	80	28.5750 AUD	-2,286.00				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
12.10.2018	12.10.2018	Cash Dividend Price AUD 0.6 Reference: DIARSC/18285/07922.3000039-70.203915.. AUD Portfolio: 3000039-70	1,902	AUD				1,141	
28.11.2018	30.11.2018	Security Purchase Reference: SCTRSC/18353/00232 AUD Portfolio: 3000039-70	231	29.7652 AUD	-6,875.76				
05.12.2018	07.12.2018	Security Purchase Reference: SCTRSC/18353/00173 AUD Portfolio: 3000039-70	324	28.9344 AUD	-9,374.75				
REGISTERED SHS WOODSIDE PETROLEUM LTD/ ISIN AU000000WPL2									
22.03.2018	22.03.2018	Cash Dividend Price AUD 0.626118067 Reference: DIARSC/18081/00801.3000039-70.203915.. AUD Portfolio: 3000039-70	561	AUD				351	
02.05.2018	04.05.2018	Security Purchase Reference: SCTRSC/18122/00258 AUD Portfolio: 3000039-70	424	32.4789 AUD	-13,771.05				
09.05.2018	11.05.2018	Security Purchase Reference: SCTRSC/18129/00124 AUD Portfolio: 3000039-70	405	32.3147 AUD	-13,087.45				
16.05.2018	18.05.2018	Security Purchase Reference: SCTRSC/18136/00160 AUD Portfolio: 3000039-70	157	34.1258 AUD	-5,357.75				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
13.06.2018	15.06.2018	Security Purchase Reference: SCTRSC/18164/00256 AUD Portfolio: 3000039-70	369	33.6316 AUD	-12,410.06				
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00027 AUD Portfolio: 3000039-70	54	34.6443 AUD	-1,870.79				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00053 AUD Portfolio: 3000039-70	87	36.6550 AUD	-3,188.99				
20.09.2018	20.09.2018	Cash Dividend Price AUD 0.72802198 Reference: DIARSC/18263/00432.3000039-70.203915.. AUD Portfolio: 3000039-70	1,970	AUD				1,434	
18.10.2018	22.10.2018	Security Purchase Reference: SCTRSC/18353/00068 AUD Portfolio: 3000039-70	200	35.9045 AUD	-7,180.90				
RIGHTS TRANSURBAN GROUP 2018-18.09.18 FOR SHARES/ ISIN AU0000023392									
05.09.2018	05.09.2018	Issue Premium In in ratio 1:1 Reference: DIARSC/18247/69420.3000039-70.203915.. AUD Portfolio: 3000039-70	936	AUD					
11.09.2018	11.09.2018	Issue Premium Out in ratio 1:1 Reference: DIARSC/18247/69420.3000039-70.203915.. AUD Portfolio: 3000039-70	936	AUD					

Transaction			Number/ Nominal	Transaction Valuation		Cost Valuation		Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
Trade Date	Value Date	Transaction Type		Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate		
REGISTERED SHS COLES GROUP LTD/ ISIN AU0000030678									
23.11.2018	23.11.2018	Spin Off In in ratio 1:1 Reference: DIARSC/18354/68306.3000039-70.203915.. AUD Portfolio: 3000039-70	1,533	12.4932 AUD					
28.11.2018	03.12.2018	Security Purchase Reference: SCTRSC/18332/00172 AUD Portfolio: 3000039-70	522	12.6921 AUD	-6,625.28				
REGISTERED SHS TRANSURBAN GROUP ISSUE 17/ ISIN AU0000TCLNB5									
02.01.2018	02.01.2018	Security Change Out in ratio 1:1 Reference: DIARSC/18002/75940.3000039-70.203915.. AUD Portfolio: 3000039-70	708	AUD					
UNITS BLACKROCK CONCENTRATED INDUSTRIAL SHARE FUND CLASS -D-/ ISIN AU60BLK00126									
10.09.2018	11.09.2018	Security Purchase Reference: SCTRSC/18254/00275 AUD Portfolio: 3000039-70	33,911	1.2857 AUD	-43,599.64				
25.09.2018	26.09.2018	Security Purchase Reference: SCTRSC/18270/00052 AUD Portfolio: 3000039-70	22,094	1.2677 AUD	-28,007.46				
UNITS ELEY GRIFFITHS GROUP SMALL COMPANIES FUND/ ISIN AU60EGG00011									
22.01.2018	25.01.2018	Adjustment In Reference: SECTSC/18033/01837 AUD Portfolio: 3000039-70	15						

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
10.04.2018	13.04.2018	Adjustment In Reference: SECTSC/18104/99041 AUD Portfolio: 3000039-70	17.547						
29.06.2018	29.06.2018	Adjustment In Reference: SECTSC/18219/07057 AUD Portfolio: 3000039-70	16.68						
12.07.2018	12.07.2018	Cash Dividend Price AUD 0.263856209 Reference: DIARSC/18193/99852.3000039-70.203915.. AUD Portfolio: 3000039-70	43,662.96	AUD				11,521	
17.07.2018	19.07.2018	Security Purchase Reference: SCTRSC/18200/00089 AUD Portfolio: 3000039-70	1,870	2.2994 AUD	-4,299.99				
06.09.2018	10.09.2018	Security Purchase Reference: SCTRSC/18253/00189 AUD Portfolio: 3000039-70	2,015.43	2.3320 AUD	-4,699.98				
09.10.2018	15.10.2018	Adjustment In Reference: SECTSC/18291/19230 AUD Portfolio: 3000039-70	15.79						
UNITS ABERDEEN STANDARD EMERGING OPPORTUNITIES FUND/ ISIN AU60ETL00329									
13.07.2018	13.07.2018	Cash Dividend Price AUD 0.139348782 Reference: DIARSC/18194/78571.3000039-70.203915.. AUD Portfolio: 3000039-70	33,464.6503	AUD				4,663	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
03.08.2018	08.08.2018	Adjustment In Reference: SECTSC/18225/02677 AUD Portfolio: 3000039-70	20.9867						
29.08.2018	31.08.2018	Security Sale Reference: SCTRSC/18243/00068 AUD Portfolio: 3000039-70	33,485.637	2.2993 AUD	76,993.53	2.1356 AUD	71,512.41		5,481 5,481
UNITS PARTNERS GROUP GLOBAL VALUE FUND (AUD) WHOLESALE/ ISIN AU60ETL02762									
14.09.2018	31.10.2018	Security Purchase Reference: SCTRSC/18304/00104 AUD Portfolio: 3000039-70	3,960.67	2.0956 AUD	-8,299.98				
UNITS IRONBARK KARARA AUSTRALIAN SMALL COMPANIES FUND CLASS -A-/ ISIN AU60PAT00021									
30.12.2017	30.12.2017	Adjustment In Reference: SECTSC/18022/87015 AUD Portfolio: 3000039-70	8.5338						
19.01.2018	19.01.2018	Cash Dividend Price AUD 0.013711 Reference: DIARSC/18019/20601.3000039-70.203915.. AUD Portfolio: 3000039-70	20,083.201	AUD				275	
27.02.2018	01.03.2018	Adjustment In Reference: SECTSC/18065/99698 AUD Portfolio: 3000039-70	7.1665						
20.07.2018	20.07.2018	Cash Dividend Price AUD 0.184594 Reference: DIARSC/18201/02679.3000039-70.203915.. AUD Portfolio: 3000039-70	20,090.3675	AUD				3,709	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
26.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18208/00174 AUD Portfolio: 3000039-70	738.4436	3.7728 AUD	-2,786.00				
01.08.2018	03.08.2018	Adjustment In Reference: SECTSC/18221/89079 AUD Portfolio: 3000039-70	8.6778						
06.09.2018	07.09.2018	Security Purchase Reference: SCTRSC/18250/00184 AUD Portfolio: 3000039-70	921.8839	3.6881 AUD	-3,400.00				
15.10.2018	17.10.2018	Adjustment In Reference: SECTSC/18292/09909 AUD Portfolio: 3000039-70	7.8165						
REGISTERED SHS OIL SEARCH LTD/ ISIN PG0008579883									
09.03.2018	13.03.2018	Security Sale Reference: SCTRSC/18072/00250 AUD Portfolio: 3000039-70	811	7.0697 AUD	5,733.53	7.8272 AUD	6,347.84		-614 -614
29.03.2018	29.03.2018	Cash Dividend Price AUD 0.0705672 Reference: DIARSC/18088/28780.3000039-70.203915.. AUD Portfolio: 3000039-70	1,728	AUD				122	
20.09.2018	24.09.2018	Security Purchase Reference: SCTRSC/18263/00183 AUD Portfolio: 3000039-70	885	8.6751 AUD	-7,677.46				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
25.09.2018	25.09.2018	Cash Dividend Price AUD 0.02781254 Reference: DIARSC/18268/97015.3000039-70.203915.. AUD Portfolio: 3000039-70	917	AUD				26	
25.09.2018	27.09.2018	Security Purchase Reference: SCTRSC/18268/00160 AUD Portfolio: 3000039-70	1,170	8.8901 AUD	-10,401.42				
05.10.2018	09.10.2018	Security Purchase Reference: SCTRSC/18353/00190 AUD Portfolio: 3000039-70	785	9.2173 AUD	-7,235.58				
12.10.2018	16.10.2018	Security Purchase Reference: SCTRSC/18285/00203 AUD Portfolio: 3000039-70	803	8.3670 AUD	-6,718.70				
18.10.2018	22.10.2018	Security Purchase Reference: SCTRSC/18353/00200 AUD Portfolio: 3000039-70	822	8.4218 AUD	-6,922.72				
Equities & Similar Investments CHF									
UNITS -A- ISHARES ETF (CH) - ISHARES SMI(R) ETF (CH)/ ISIN CH0008899764									
09.07.2018	11.07.2018	Security Purchase Reference: SCTRSC/18191/00013 AUD Portfolio: 3000039-70	470	91.3876 CHF	-58,281.32 0.7370 AUD/CHF				
19.07.2018	19.07.2018	Cash Dividend Price CHF 0.2 Reference: DIARSC/18200/45872.3000039-70.1000000.. AUD Portfolio: 3000039-70	470	CHF	0.7401 AUD/CHF			83	

Transaction		Transaction Type	Number/ Nominal	Transaction Valuation		Cost Valuation		Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
Trade Date	Value Date			Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate		
19.07.2018	19.07.2018	Cash Dividend Price CHF 0.52 Reference: DIARSC/18200/90233.3000039-70.1000000.. AUD Portfolio: 3000039-70	470	CHF	0.7401 AUD/CHF			330	
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00137 AUD Portfolio: 3000039-70	25	93.9300 CHF	-3,317.79 0.7078 AUD/CHF				
Equities & Similar Investments EUR									
SHS EUR ISHARES II PLC - ISHARES CORE MSCI EUROPE UCITS ETF/ ISIN IE00B1YZSC51									
28.02.2018	28.02.2018	Cash Dividend Price EUR 0.0573 Reference: DIARSC/18059/04090.3000039-70.1000000.. AUD Portfolio: 3000039-70	14,741	EUR	1.5690 EUR/AUD			1,325	
16.04.2018	18.04.2018	Security Sale Reference: SCTRSC/18107/00011 AUD Portfolio: 3000039-70	6,224	23.6663 EUR	234,171.61 1.5898 EUR/AUD	23.7541 EUR	221,517.20 1.4983 EUR/AUD		12,654 -869 13,523
31.05.2018	31.05.2018	Cash Dividend Price EUR 0.2672 Reference: DIARSC/18151/32350.3000039-70.1000000.. AUD Portfolio: 3000039-70	8,517	EUR	1.5426 EUR/AUD			3,511	
02.07.2018	04.07.2018	Security Sale Reference: SCTRSC/18184/00006 AUD Portfolio: 3000039-70	1,468	23.7109 EUR	54,986.26 1.5797 EUR/AUD	23.7541 EUR	52,247.31 1.4983 EUR/AUD		2,739 -100 2,839

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
09.07.2018	11.07.2018	Security Sale Reference: SCTRSC/18191/00019 AUD Portfolio: 3000039-70	1,699	24.1877 EUR	64,787.75 1.5765 EUR/AUD	23.7541 EUR	60,468.79 1.4983 EUR/AUD		4,319 1,161 3,157
30.08.2018	30.08.2018	Cash Dividend Price EUR 0.2546 Reference: DIARSC/18242/20955.3000039-70.1000000.. AUD Portfolio: 3000039-70	5,350	EUR	1.6055 EUR/AUD			2,187	
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00146 AUD Portfolio: 3000039-70	278	24.0550 EUR	-10,736.18 1.6055 EUR/AUD				
28.11.2018	28.11.2018	Cash Dividend Price EUR 0.1067 Reference: DIARSC/18332/01250.3000039-70.1000000.. AUD Portfolio: 3000039-70	5,628	EUR	1.5608 EUR/AUD			937	
ACCUM.PTG.SHS WELLINGTON MANAGEMENT FUNDS (IRELAND) PLC - WELLINGTON STRATEGIC EUROPEAN EQUITY FUND CLASS -N- UNHEDGED EUR/ ISIN IE00B9DPD161									
30.08.2018	04.09.2018	Security Purchase Reference: SCTRSC/18243/00119 AUD Portfolio: 3000039-70	658	16.9098 EUR	-17,863.39 1.6055 EUR/AUD				
Equities & Similar Investments GBP									
ACCUM SHS GBP ISHARES VII PLC - ISHARES CORE FTSE 100 UCITS ETF GBP (ACC)/ ISIN IE00B53HP851									
02.07.2018	04.07.2018	Security Purchase Reference: SCTRSC/18184/00011 AUD Portfolio: 3000039-70	277	116.1683 GBP	-57,492.74 1.7867 GBP/AUD				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation		Cost Valuation		Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
				Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate		
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00136 AUD Portfolio: 3000039-70	15	117.0000 GBP	-3,136.71 1.7873 GBP/AUD				
10.09.2018	12.09.2018	Security Sale Reference: SCTRSC/18254/00006 AUD Portfolio: 3000039-70	292	112.9504 GBP	59,931.05 1.8171 GBP/AUD	116.2110 GBP	60,629.45 1.7867 GBP/AUD		-698 -1,730 1,032
Equities & Similar Investments JPY									
UNITS NIKKEI 225 EXCHANGE TRADED FUND/ ISIN JP3027650005									
16.03.2018	22.03.2018	Security Sale Reference: SCTRSC/18075/00497 AUD Portfolio: 3000039-70	583	22,285.6207 JPY	157,202.57 82.6483 AUD/JPY	18,676.7547 JPY	123,258.52 88.3391 AUD/JPY		33,944 25,457 8,487
16.08.2018	16.08.2018	Cash Dividend Price JPY 350 Reference: DIARSC/18228/56856.3000039-70.208246.. AUD Portfolio: 3000039-70	601	JPY	80.5606 AUD/JPY			2,350	
30.08.2018	04.09.2018	Security Purchase Reference: SCTRSC/18242/00061 AUD Portfolio: 3000039-70	39	23,350.0000 JPY	-11,185.59 81.4128 AUD/JPY				
Equities & Similar Investments USD									
PARTS -USD- AMUNDI ETF MSCI EMERGING MARKETS UCITS ETF FCP CAPITALISATION ET/OU DISTRIBUTION/ ISIN FR0010959692									
16.01.2018	18.01.2018	Security Purchase Reference: SCTRSC/18017/00009 AUD Portfolio: 3000039-70	18,519	5.2821 USD	-122,819.02 0.7965 AUD/USD				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
22.01.2018	24.01.2018	Security Purchase Reference: SCTRSC/18023/00120 AUD Portfolio: 3000039-70	18,176	5.3590 USD	-121,962.29 0.7987 AUD/USD				
20.04.2018	20.04.2018	Merger Out in ratio 1:1 Reference: DIARSC/18113/30385.3000039-70.1000000.. AUD Portfolio: 3000039-70	36,695	5.3202 USD	0.7713 AUD/USD				
ACCUM.PTG.SHS ISHARES VII PLC - ISHARES NASDAQ 100 UCITS ETF USD/ ISIN IE00B53SZB19									
30.08.2018	04.09.2018	Security Purchase Reference: SCTRSC/18242/00138 AUD Portfolio: 3000039-70	14	426.2000 USD	-8,185.47 0.7290 AUD/USD				
SHS -1C- XTRACKERS SICAV - XTRACKERS MSCI CHINA UCITS ETF CAPITALISATION/ ISIN LU0514695690									
27.11.2018	29.11.2018	Security Purchase Reference: SCTRSC/18353/00238 AUD Portfolio: 3000039-70	2,815	16.0980 USD	-62,627.74 0.7236 AUD/USD				
03.12.2018	05.12.2018	Security Purchase Reference: SCTRSC/18353/00236 AUD Portfolio: 3000039-70	5,492	16.9980 USD	-126,700.62 0.7368 AUD/USD				
SHS -R (ACC.)- GOLDMAN SACHS FUNDS SICAV - GOLDMAN SACHS EMERGING MARKETS EQUITY PORTFOLIO CAPITALISATION/ ISIN LU0830622741									
28.08.2018	31.08.2018	Security Purchase Reference: SCTRSC/18241/00008 AUD Portfolio: 3000039-70	4,584	13.5800 USD	-84,746.74 0.7346 AUD/USD				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
SHS -UCITS ETF USD C- AMUNDI INDEX SOLUTIONS SICAV - AMUNDI MSCI EMERGING MARKETS CAPITALISATION/ ISIN LU1681045453									
20.04.2018	20.04.2018	Merger In in ratio 1:1 Reference: DIARSC/18113/30385.3000039-70.1000000.. AUD Portfolio: 3000039-70	36,695	5.3202 USD	0.7713 AUD/USD				
07.09.2018	11.09.2018	Security Sale Reference: SCTRSC/18253/00024 AUD Portfolio: 3000039-70	8,823	4.4602 USD	55,030.54 0.7151 AUD/USD	5.3202 USD	58,855.58 0.7975 AUD/USD		-3,825 -10,611 6,786
09.11.2018	13.11.2018	Security Purchase Reference: SCTRSC/18316/00012 AUD Portfolio: 3000039-70	21,341	4.2578 USD	-125,518.13 0.7239 AUD/USD				
SHS ISHARES GLOBAL HEALTHCARE ETF/ ISIN US4642873255									
02.05.2018	04.05.2018	Stock Split In in ratio 2:1 Reference: DIARSC/18122/03597.3000039-70.207003.. AUD Portfolio: 3000039-70	1,160	USD	0.7511 AUD/USD				
02.05.2018	04.05.2018	Stock Split Out in ratio 2:1 Reference: DIARSC/18122/03597.3000039-70.207003.. AUD Portfolio: 3000039-70	580	USD	0.7511 AUD/USD				
25.06.2018	25.06.2018	Cash Dividend Price USD 0.517509 Reference: DIARSC/18177/40741.3000039-70.207003.. AUD Portfolio: 3000039-70	1,160	USD	0.7418 AUD/USD			688	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
24.12.2018	24.12.2018	Cash Dividend Price USD 0.347433 Reference: DIARSC/18360/84990.3000039-70.207003.. AUD Portfolio: 3000039-70	1,160	USD	0.7059 AUD/USD			485	
TRUST UNITS SPDR S&P 500 ETF TRUST/ ISIN US78462F1030									
31.01.2018	31.01.2018	Cash Dividend Price USD 1.351333 Reference: DIARSC/18032/90810.3000039-70.207003.. AUD Portfolio: 3000039-70	1,590	USD	0.8077 AUD/USD			2,261	
30.04.2018	30.04.2018	Cash Dividend Price USD 1.096775 Reference: DIARSC/18121/42087.3000039-70.207003.. AUD Portfolio: 3000039-70	1,590	USD	0.7565 AUD/USD			1,960	
31.07.2018	31.07.2018	Cash Dividend Price USD 1.245568 Reference: DIARSC/18213/20073.3000039-70.207003.. AUD Portfolio: 3000039-70	1,590	USD	0.7421 AUD/USD			2,268	
30.08.2018	04.09.2018	Security Purchase Reference: SCTRSC/18243/00001 AUD Portfolio: 3000039-70	105	290.7299 USD	-41,877.55 0.7290 AUD/USD				
26.09.2018	28.09.2018	Security Sale Reference: SCTRSC/18270/00004 AUD Portfolio: 3000039-70	159	291.0939 USD	63,751.14 0.7260 AUD/USD	200.2251 USD	37,777.28 0.8427 AUD/USD		25,974 19,900 6,074

Transaction		Transaction Type	Number/ Nominal	Transaction Valuation		Cost Valuation		Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
Trade Date	Value Date			Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate		
31.10.2018	31.10.2018	Cash Dividend Price USD 1.322611 Reference: DIARSC/18305/70700.3000039-70.207003.. AUD Portfolio: 3000039-70	1,695	USD	0.7086 AUD/USD			2,689	
SHS FINANCIAL SELECT SECTOR SPDR FUND/ ISIN US81369Y6059									
16.04.2018	18.04.2018	Security Purchase Reference: SCTRSC/18107/00018 AUD Portfolio: 3000039-70	3,368	27.6309 USD	-120,004.99 0.7755 AUD/USD				
20.06.2018	20.06.2018	Cash Dividend Price USD 0.118967 Reference: DIARSC/18172/95166.3000039-70.207003.. AUD Portfolio: 3000039-70	3,368	USD	0.7399 AUD/USD			460	
30.08.2018	04.09.2018	Security Purchase Reference: SCTRSC/18242/00253 AUD Portfolio: 3000039-70	187	28.4500 USD	-7,298.37 0.7290 AUD/USD				
26.09.2018	26.09.2018	Cash Dividend Price USD 0.1275 Reference: DIARSC/18270/02851.3000039-70.207003.. AUD Portfolio: 3000039-70	3,555	USD	0.7260 AUD/USD			531	
21.12.2018	26.12.2018	Security Sale Reference: SCTRSC/18358/00012 AUD Portfolio: 3000039-70	3,555	23.1822 USD	115,836.18 0.7115 AUD/USD	27.6740 USD	127,303.36 0.7728 AUD/USD		-11,467 -22,446 10,979

Transaction		Transaction Type	Number/ Nominal	Transaction Valuation		Cost Valuation		Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
Trade Date	Value Date			Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate		
27.12.2018	27.12.2018	Cash Dividend Price USD 0.144947 Reference: DIARSC/18362/81261.3000039-70.207003.. AUD Portfolio: 3000039-70	3,555	USD	0.7042 AUD/USD			622	
SHS VANGUARD FTSE EMERGING MARKETS ETF/ ISIN US9220428588									
29.03.2018	29.03.2018	Cash Dividend Price USD 0.0886 Reference: DIARSC/18089/27015.3000039-70.207003.. AUD Portfolio: 3000039-70	2,501	USD	0.7655 AUD/USD			246	
27.06.2018	27.06.2018	Cash Dividend Price USD 0.2745 Reference: DIARSC/18179/03763.3000039-70.207003.. AUD Portfolio: 3000039-70	2,501	USD	0.7384 AUD/USD			790	
07.09.2018	11.09.2018	Security Sale Reference: SCTRSC/18253/00017 AUD Portfolio: 3000039-70	2,501	40.5624 USD	141,861.61 0.7151 AUD/USD	41.2138 USD	131,997.04 0.7809 AUD/USD	9,865 -2,280 12,144	
Alternative Investments, Commodities & Real Estate									
Hedge Funds									
UNITS GMO SYSTEMATIC GLOBAL MACRO TRUST CLASS -B-/ ISIN AU60GMO00067									
10.07.2018	10.07.2018	Cash Dividend Price AUD 0.063976 Reference: DIARSC/18191/68213.3000039-70.203915.. AUD Portfolio: 3000039-70	462,530.637	AUD				29,591	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
31.08.2018	04.09.2018	Security Purchase Reference: SCTRSC/18247/00062 AUD Portfolio: 3000039-70	42,053.741	1.0011 AUD	-42,100.00				
07.12.2018	11.12.2018	Security Purchase Reference: SCTRSC/18345/00130 AUD Portfolio: 3000039-70	5,809	0.9758 AUD	-5,668.42				
UNITS BLACKROCK GLOBAL ALLOCATION FUND (AUST) CLASS -D- WHOLESALE/ ISIN AU60MAL00181									
09.07.2018	09.07.2018	Cash Dividend Price AUD 0.077557343 Reference: DIARSC/18190/89379.3000039-70.203915.. AUD Portfolio: 3000039-70	324,858.41	AUD				25,195	
31.08.2018	03.09.2018	Security Sale Reference: SCTRSC/18246/00124 AUD Portfolio: 3000039-70	10,240	1.2236 AUD	12,529.65	1.2410 AUD	12,708.33		-179 -179
06.09.2018	07.09.2018	Security Purchase Reference: SCTRSC/18250/00176 AUD Portfolio: 3000039-70	6,647.26	1.2186 AUD	-8,100.00				
RED.PTG.SHS -A1- AHL (CAYMAN) SPC AUD CLASS A EVOLUTION SEGREGATED PORTFOLIO/ ISIN KYG012291145									
01.03.2018	01.03.2018	Security Sale Reference: SCTRSC/18103/00079 AUD Portfolio: 3000039-70	44,033	1.7686 AUD	77,876.76	1.1382 AUD	50,118.74		27,758 27,758
03.09.2018	03.09.2018	Security Sale Reference: SCTRSC/18290/00044 AUD Portfolio: 3000039-70	13,412	1.8251 AUD	24,478.24	1.1382 AUD	15,265.65		9,213 9,213

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
SUBSCRIPTION VALUE OF RED.PTG.SHS -A- CS RENAISSANCE ALTERNATIVE ACCESS FUND LTD USD									
18.12.2018	19.12.2018	Security Transfer In: Buy Reference: SECTSC/18352/58656 AUD Portfolio: 3000039-70	172,852	1.0000 USD	-240,657.15 0.7183 AUD/USD				
RED.PTG.SHS -A- AHL DIMENSION (CAYMAN) LIMITED AUD/ ISIN KYG0132G1652									
01.01.2018	01.01.2018	Adjustment In Reference: SECTSC/18069/09096 AUD Portfolio: 3000039-70	203.48						
01.01.2018	01.01.2018	Adjustment Out Reference: SECTSC/18075/17400 AUD Portfolio: 3000039-70	41.888						-42 -42
22.03.2018	22.03.2018	Security Purchase Reference: SCTRSC/18100/00122 AUD Portfolio: 3000039-70	13,647	0.9914 AUD	-13,529.64				
Commodities & Precious Metals									
ETC SECURITY ETFS METAL SECURITIES AUSTRALIA LTD 2003-WITHOUT FIXED MATURITY ON GOLD COMMODITY/ ISIN AU00000GOLD7									
29.05.2018	31.05.2018	Security Purchase Reference: SCTRSC/18149/00042 AUD Portfolio: 3000039-70	613	162.8875 AUD	-99,850.04				
16.07.2018	18.07.2018	Security Purchase Reference: SCTRSC/18197/00033 AUD Portfolio: 3000039-70	199	158.3400 AUD	-31,509.66				
05.09.2018	07.09.2018	Security Purchase Reference: SCTRSC/18248/00051 AUD Portfolio: 3000039-70	70	156.5000 AUD	-10,955.00				

Transaction			Number/ Nominal	Transaction Valuation		Cost Valuation		Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
Trade Date	Value Date	Transaction Type		Price Transaction Currency	Value in AUD Exchange Rate	Price Position Currency	Value in AUD Exchange Rate		
UBS ETC UBS AG, LONDON BRANCH 2007- OPEN END ON UBS BLOOMBER CMCI COMPOSITE TOTAL RETURN/ ISIN CH0031794263									
28.05.2018	30.05.2018	Security Purchase Reference: SCTRSC/18149/00025 AUD Portfolio: 3000039-70	61	955.0000 USD	-76,942.60 0.7574 AUD/USD				
30.08.2018	04.09.2018	Security Purchase Reference: SCTRSC/18243/00056 AUD Portfolio: 3000039-70	30	887.4000 USD	-36,526.50 0.7290 AUD/USD				
Real Estate									
STAPLED SECURITY DEXUS/ ISIN AU000000DXS1									
25.07.2018	27.07.2018	Security Purchase Reference: SCTRSC/18206/00053 AUD Portfolio: 3000039-70	7,604	9.9329 AUD	-75,529.77				
23.08.2018	27.08.2018	Security Purchase Reference: SCTRSC/18235/00157 AUD Portfolio: 3000039-70	3,954	10.5464 AUD	-41,700.47				
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00114 AUD Portfolio: 3000039-70	253	10.6940 AUD	-2,705.58				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00067 AUD Portfolio: 3000039-70	246	10.7200 AUD	-2,637.12				

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
STAPLED SECURITY GOODMAN GROUP/ ISIN AU000000GMG2									
26.02.2018	26.02.2018	Cash Dividend Price AUD 0.1375 Reference: DIARSC/18057/53822.3000039-70.203915.. AUD Portfolio: 3000039-70	7,983	AUD				1,098	
30.07.2018	01.08.2018	Security Purchase Reference: SCTRSC/18211/00087 AUD Portfolio: 3000039-70	14,513	9.6993 AUD	-140,765.94				
29.08.2018	29.08.2018	Cash Dividend Price AUD 0.1425 Reference: DIARSC/18241/27049.3000039-70.203915.. AUD Portfolio: 3000039-70	7,983	AUD				1,138	
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00117 AUD Portfolio: 3000039-70	826	10.6528 AUD	-8,799.21				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00071 AUD Portfolio: 3000039-70	486	10.5800 AUD	-5,141.88				
STAPLED SECURITY MIRVAC GROUP/ ISIN AU000000MGR9									
28.02.2018	28.02.2018	Cash Dividend Price AUD 0.05 Reference: DIARSC/18059/34809.3000039-70.203915.. AUD Portfolio: 3000039-70	138,601	AUD				6,930	

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
25.07.2018	27.07.2018	Security Sale Reference: SCTRSC/18206/00061 AUD Portfolio: 3000039-70	25,787	2.2611 AUD	58,306.99	1.8177 AUD	46,873.97		11,433 11,433
23.08.2018	27.08.2018	Security Sale Reference: SCTRSC/18235/00164 AUD Portfolio: 3000039-70	21,739	2.3553 AUD	51,201.87	1.8177 AUD	39,515.77		11,686 11,686
31.08.2018	31.08.2018	Cash Dividend Price AUD 0.06 Reference: DIARSC/18243/24967.3000039-70.203915.. AUD Portfolio: 3000039-70	138,601	AUD				8,316	
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00065 AUD Portfolio: 3000039-70	3,925	2.4500 AUD	-9,616.25				
02.11.2018	06.11.2018	Security Sale Reference: SCTRSC/18353/00220 AUD Portfolio: 3000039-70	22,233	2.1205 AUD	47,145.08	1.8439 AUD	40,994.51		6,151 6,151
STAPLED SECURITY PROPERTYLINK GROUP/ ISIN AU000000PLG5									
06.03.2018	06.03.2018	Cash Dividend Price AUD 0.036 Reference: DIARSC/18065/11399.3000039-70.203915.. AUD Portfolio: 3000039-70	251,290	AUD				9,046	
23.08.2018	27.08.2018	Security Sale Reference: SCTRSC/18235/00141 AUD Portfolio: 3000039-70	28,446	1.0459 AUD	29,751.67	0.8264 AUD	23,508.73		6,243 6,243

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
30.08.2018	03.09.2018	Security Purchase Reference: SCTRSC/18242/00118 AUD Portfolio: 3000039-70	4,862	1.0682 AUD	-5,193.59				
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00052 AUD Portfolio: 3000039-70	4,741	1.0661 AUD	-5,054.38				
04.09.2018	04.09.2018	Cash Dividend Price AUD 0.037 Reference: DIARSC/18247/29042.3000039-70.203915.. AUD Portfolio: 3000039-70	251,290	AUD				9,298	
24.09.2018	26.09.2018	Security Sale Reference: SCTRSC/18267/00221 AUD Portfolio: 3000039-70	11,091	1.1307 AUD	12,540.59	0.8364 AUD	9,276.28		3,264 3,264
25.09.2018	27.09.2018	Security Sale Reference: SCTRSC/18268/00148 AUD Portfolio: 3000039-70	699	1.1250 AUD	786.38	0.8364 AUD	584.63		202 202
02.10.2018	04.10.2018	Security Sale Reference: SCTRSC/18275/00147 AUD Portfolio: 3000039-70	2,737	1.1250 AUD	3,079.13	0.8364 AUD	2,289.17		790 790
03.10.2018	05.10.2018	Security Sale Reference: SCTRSC/18276/00137 AUD Portfolio: 3000039-70	39,807	1.1259 AUD	44,818.70	0.8364 AUD	33,293.73		11,525 11,525
12.10.2018	16.10.2018	Security Sale Reference: SCTRSC/18353/00229 AUD Portfolio: 3000039-70	42,751	1.1450 AUD	48,949.90	0.8364 AUD	35,756.03		13,194 13,194

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
15.10.2018	17.10.2018	Security Sale Reference: SCTRSC/18353/00230 AUD Portfolio: 3000039-70	42,868	1.1450 AUD	49,083.86	0.8364 AUD	35,853.88		13,230 13,230
15.10.2018	17.10.2018	Security Sale Reference: SCTRSC/18353/00231 AUD Portfolio: 3000039-70	92,494	1.1450 AUD	105,905.63	0.8364 AUD	77,360.01		28,546 28,546
STAPLED SECURITY SCENTRE GROUP/ ISIN AU000000SCG8									
28.02.2018	28.02.2018	Cash Dividend Price AUD 0.1087 Reference: DIARSC/18059/51338.3000039-70.203915.. AUD Portfolio: 3000039-70	74,374	AUD				8,084	
30.07.2018	01.08.2018	Security Sale Reference: SCTRSC/18211/00088 AUD Portfolio: 3000039-70	52,328	4.2448 AUD	222,121.89	3.4296 AUD	179,463.12		42,659 42,659
31.08.2018	31.08.2018	Cash Dividend Price AUD 0.1108 Reference: DIARSC/18243/05589.3000039-70.203915.. AUD Portfolio: 3000039-70	22,046	AUD				2,443	
03.09.2018	05.09.2018	Security Purchase Reference: SCTRSC/18246/00060 AUD Portfolio: 3000039-70	957	4.1450 AUD	-3,966.77				
STAPLED SECURITY STOCKLAND/ ISIN AU000000SGP0									
12.01.2018	16.01.2018	Security Sale Reference: SCTRSC/18012/00174 AUD Portfolio: 3000039-70	2,806	4.2951 AUD	12,052.05	4.5725 AUD	12,830.30		-778 -778

Transaction Trade Date	Value Date	Transaction Type	Number/ Nominal	Transaction Valuation Price Transaction Currency	Value in AUD Exchange Rate	Cost Valuation Price Position Currency	Value in AUD Exchange Rate	Income Cost	Profit/ Loss Realized in AUD of which Instrument of which Forex
28.02.2018	28.02.2018	Cash Dividend Price AUD 0.13 Reference: DIARSC/18059/46868.3000039-70.203915.. AUD Portfolio: 3000039-70	4,969	AUD				646	
31.08.2018	31.08.2018	Cash Dividend Price AUD 0.135 Reference: DIARSC/18243/43730.3000039-70.203915.. AUD Portfolio: 3000039-70	2,163	AUD				292	
Other Alternative Investments									
PTG.SHS LEGG MASON GLOBAL FUNDS PLC - LEGG MASON WESTERN ASSET MACRO OPPORTUNITIES BOND FUND PREMIER CLASS DISTRIBUTING (S) HEDGED AUD/ ISIN IE00BYOZZ17									
22.03.2018	22.03.2018	Cash Dividend Price AUD 1.553209 Reference: DIARSC/18081/08926.3000039-70.1000000.. AUD Portfolio: 3000039-70	4,291	AUD				6,665	
30.08.2018	05.09.2018	Security Sale Reference: SCTRSC/18243/00080 AUD Portfolio: 3000039-70	71	105.1700 AUD	7,467.07	101.6482 AUD	7,217.02		250 250
05.09.2018	10.09.2018	Security Purchase Reference: SCTRSC/18249/00054 AUD Portfolio: 3000039-70	89	104.6400 AUD	-9,312.96				
20.09.2018	20.09.2018	Cash Dividend Price AUD 2.124419 Reference: DIARSC/18263/70704.3000039-70.1000000.. AUD Portfolio: 3000039-70	4,309	AUD				9,154	

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.

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-Investment Related Positions

Non-Investment Related Positions refer to positions held in the form of insurance policies, guarantees (standby letters of credit/bank guarantees/holdcovers) or mortgages,.

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.

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.

Yield

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

Abbreviations

BID = Bid Price
CLO = Closing Price
MID = Average Price
NAV = Net Asset Value
OFF = Official Price

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 31.12.2018

AUD 1.0000 = CHF 0.6952
AUD 1.0000 = JPY 77.9675
AUD 1.0000 = USD 0.7060

EUR 1.0000 = AUD 1.6208
GBP 1.0000 = AUD 1.7972

4.2. Legal Information

According to the Account Opening Terms and Conditions, this investment report shall be conclusive and binding if the Bank does not receive your objection in writing to any matters contained in this investment report within 14 days from the issue date.

Deposits with Credit Suisse are not subject to Division 2 of the Banking Act - Protection of Depositors.

If your account is booked with Credit Suisse AG, Sydney Branch or if your Relationship Manager (RM) or Investment Consultant is located in Australia, 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 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.

In the absence of reliable market reference prices, the Bank may assign a nominal value or make an appropriate comment on your investment report. As a result, the 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 will, at the time of printing this 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 in the Bank's investment report will not always reflect the price indications available on the last business day of the month 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 RM if you need further information on the FX conversion rate applied in relation to your CNY positions.

The information in this 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.

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

Monthly Financial Report

(in AUD)

January 2019

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1 Executive Summary

This financial report for January 2019 is compared to the actuals for same period last year and the 2019 budget. There are no significant issues that would require any change to the approved 2019 budget plan. The report shows an operating surplus (before fair value surplus on financial assets) of \$298k, with Revenue \$11k (1%) more than budget and Expenses \$145k (8%) less than budget.

Due to the adoption of the AASB9 accounting standard, the change in value of the investment portfolio will be included in the Income statement.

Revenues:

- **Membership fees and Sign-Up fees:** Income is tracking very close to budget estimates at the end of January, supporting the underlying assumptions used in the budget. The actual number of new members was 51, which is lower than budget of 69, this is mostly offset by the number of closures at 19, compared to the budget of 16 for January.
- **Investment income:** The APNIC portfolio continued to perform well in January +1.76% for the month as AUD bonds rose 0.64% as yields fell. Global equities ex-Australia rose 4.40% in AUD terms as equity markets recovered following the sharp selloff in the December quarter. Australian equities rose 3.87% over the month.

Since inception, the portfolio has returned 4.96% (after fees) compared to CPI +2.5% of 4.43%.

Expenses:

- **Professional fees** are below budget because of timing issues and it is expected that this will more closely align with the budget as the year progresses.
- **Salaries and personnel expenses** are above budget in January due to timing of the budget allocation and are expected to align more closely with budget as the year progresses.
- **Travel expenses** are low in January compared to budget due to the timing of expenses.

Capital Expenditure on equipment and software is tracking slightly above budget, this is primarily due to purchases related to the fitout of the new media room. Overall CAPEX is expected to align with budget estimates as the year progresses.

2 Statement of Financial Position

	31/01/2019	Year End 2018	% Change
CURRENT ASSETS			
Cash/ Term deposits	8,238,753	8,456,000	-3%
Receivables	914,254	984,890	-7%
Others	751,579	678,567	11%
TOTAL CURRENT ASSETS	9,904,586	10,119,457	-2%
NON-CURRENT ASSETS			
Other financial assets	25,305,000	24,861,226	2%
Property, plant and equipment	7,477,727	7,472,353	0%
Deferred tax assets/ liabilities	286,537	286,537	0%
TOTAL NON-CURRENT ASSETS	33,069,264	32,620,117	1%
TOTAL ASSETS	42,973,850	42,739,574	1%
CURRENT LIABILITIES			
Payables	1,190,104	1,241,761	-4%
Provisions	1,729,201	1,743,961	-1%
Unearned revenue	9,856,965	10,227,970	-4%
TOTAL CURRENT LIABILITIES	12,776,270	13,213,692	-3%
NON - CURRENT LIABILITIES			
Deferred Tax Liabilities	450,313	450,313	0%
Total Provisions	283,705	254,584	11%
TOTAL NON-CURRENT LIABILITIES	734,018	704,897	4%
TOTAL LIABILITIES	13,510,287	13,918,589	-3%
NET ASSETS	29,463,563	28,820,985	2%
EQUITY			
Share capital	1	1	0%
Retained earnings	28,820,984	27,708,012	4%
Net Income	642,578	1,112,972	-42%
TOTAL EQUITY	29,463,563	28,820,985	2%

Table 1. Statement of Financial Position

3 Statement of Income

	YTD Actual Jan 2019	YTD Actual Jan 2018	Variance %	YTD Budget Jan 2019	Budget Variance \$	Budget Variance %
Investment income	115,826	97,934	18%	87,417	28,409	32%
Membership fees	1,722,732	1,647,565	5%	1,708,536	14,196	1%
Non-members fees	21,649	20,876	4%	21,509	140	1%
Reactivation fees	700	0	0%	2,083	-1,383	-66%
Sign-Up fees	21,250	22,500	-6%	29,250	-8,000	-27%
Transfer fees	11,279	14,850	-24%	15,417	-4,138	-27%
Sundry income	3,064	771	297%	21,158	-18,094	-86%
TOTAL REVENUE	1,896,500	1,804,497	5%	1,885,370	11,130	1%
Bank service fees	14,265	13,236	8%	16,916	-2,651	-16%
Communication expenses	40,563	45,005	-10%	49,960	-9,397	-19%
Computer expenses	76,926	54,317	42%	87,536	-10,610	-12%
Contribution to APNIC Foundation	42,748	48,055	-11%	62,184	-19,436	-31%
Depreciation expense	71,901	70,062	3%	70,160	1,741	2%
Doubtful debt expenses	-4,480	-4,525	-1%	2,083	-6,563	-315%
ICANN contract fee	21,667	20,695	5%	21,667	0	0%
Insurance expense	15,188	14,433	5%	16,042	-854	-5%
Meeting and training expenses	1,696	1,189	43%	8,882	-7,186	-81%
Membership fees	5,864	4,173	41%	4,518	1,346	30%
Office operating expenses	27,499	27,506	-0%	30,269	-2,770	-9%
Postage & delivery	1,045	774	35%	709	336	47%
Printing & photocopy	3,250	1,445	125%	2,875	375	13%
Professional fees	109,203	89,011	23%	130,736	-21,533	-16%
Recruitment expense	1,397	9,696	-86%	10,000	-8,603	-86%
Salaries and personnel expenses	1,043,604	915,538	14%	988,253	55,351	6%
Sponsorship and Publicity expenses	36,931	16,895	119%	38,749	-1,818	-5%
Staff training/ Conference expenses	6,296	3,780	67%	25,124	-18,828	-75%
Translation expenses	0	2,207	-100%	1,875	-1,875	-100%
Travel expenses	82,611	46,904	76%	174,920	-92,309	-53%
TOTAL EXPENSES	1,598,172	1,380,396	16%	1,743,458	-145,286	-8%
Operating Surplus	298,328	424,101	-30%	141,912	156,416	110%
Fair value surplus on financial assets	344,250	0	-	0	344,250	-
SURPLUS	642,578	424,101	52%	141,912	500,666	353%

Table 2. Statement of Income

4 Capital Expenditure

CAPITAL (AUD)	YTD Actual Jan 2019	YTD Actual Jan 2018	Variance %	YTD Budget Jan 2019	Budget Variance \$	Budget Variance %
Equipment & Software	70,016	35,354	98%	63,287	6,729	11%
Office Furniture & Fittings	7,258	0	-	9,583	-2,325	-24%
Total - Capital Expenditure	77,274	35,354	119%	72,870	4,404	6%

Table 3. Capital Expenditure by Category

5 Activity Reporting

5.1 Expenses by Activity Code

EXPENSES (AUD)	YTD Actual Jan 2019	YTD Budget Jan 2019	Variance \$	Variance %
Facilities	56,960	52,591	4,369	8%
Finance & Administration	101,203	113,111	-11,908	-11%
Human Resource Management	52,654	84,210	-31,556	-37%
Legal & Governance	57,229	63,293	-6,064	-10%
Total - Corporate	268,046	313,205	-45,159	-14%
Global Research	55,402	58,111	-2,709	-5%
Global Technical Community	69,380	85,035	-15,655	-18%
Inter-governmental Outreach	23,053	24,218	-1,165	-5%
Total - Global Cooperation	147,835	167,364	-19,529	-12%
APNIC Conferences	81,184	74,818	6,366	9%
APNIC Foundation	41,254	63,434	-22,180	-35%
Community Engagement	59,422	77,914	-18,492	-24%
Regional Technical Development	144,215	140,800	3,415	2%
Total - Regional Development	326,074	356,966	-30,892	-9%
Customer Service	297,164	312,119	-14,955	-5%
Member Training	129,425	158,534	-29,109	-18%
Registration Services	152,687	150,261	2,426	2%
Technical Infrastructure	276,941	285,009	-8,068	-3%
Total - Serving Members	856,216	905,923	-49,707	-5%
Total - Expenses	1,598,172	1,743,458	-145,286	-8%

Table 4. Expense by Activity Code

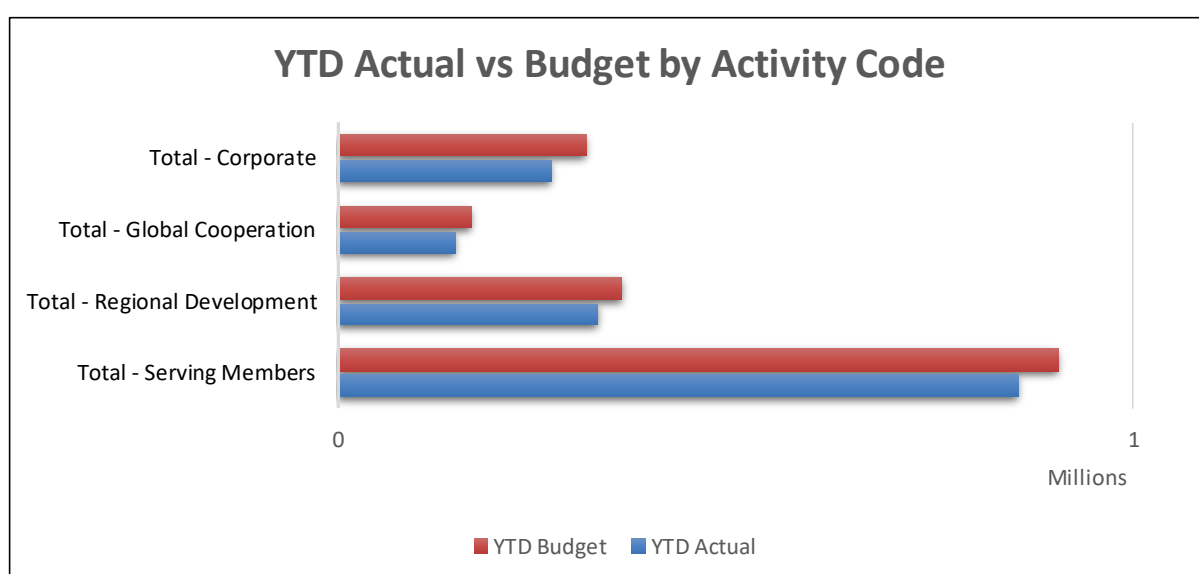


Figure 1. YTD Actual vs. Budget by Activity

5.2 Capital Expenditure by Activity Code

CAPITAL EXPENSES (AUD)	YTD Actual Jan 2019	YTD Budget Jan 2019	Variance \$	Variance %
Facilities	7,258	9,583	-2,325	-24%
Finance & Administration		792	-792	-100%
Human Resource Management	2,807	292	2,515	861%
Legal & Governance				
Total - Corporate	10,065	10,667	-602	-6%
Global Research		5,000	-5,000	-100%
Global Technical Community				
Inter-governmental Outreach				
Total - Global Cooperation		5,000	-5,000	-100%
APNIC Conferences		250	-250	-100%
APNIC Foundation				
Community Engagement				
Regional Technical Development	2,940	16,667	-13,727	-82%
Total - Regional Development	2,940	16,917	-13,977	-83%
Customer Service	8,437	3,025	5,412	179%
Member Training		4,417	-4,417	-100%
Registration Services				
Technical Infrastructure	55,832	32,844	22,988	70%
Total - Serving Members	64,269	40,286	23,983	60%
Total - Capital Expenses	77,274	72,870	4,404	6%

Table 5. Capital Expenditure by Activity Code

6 APNIC Reserve

6.1 Cash Flow Statement

Accounts	YTD Jan 2019
Operating Activities	
Net Income	642,578
Adjustments to Profit/(Loss)	
Accounts Receivable	81,892
Other Current Asset	-84,267
Accounts Payable	-164,880
Sales Tax Payable	3,491
Other Current Liability	-276,033
Total Adjustments to Profit/(Loss)	-439,798
Total Operating Activities	202,779
Investing Activities	
Fixed Asset	-5,374
Other Asset	-443,774
Total Investing Activities	-449,148
Financing Activities	
Long Term Liability	29,121
Equity	0
Total Financing Activities	29,121
Net Change in Cash for Period	-217,247
Cash at Beginning of Period	8,456,000
Cash at End of Period	8,238,753

Table 6. Cash Flow Statement

6.2 Capital Reserve

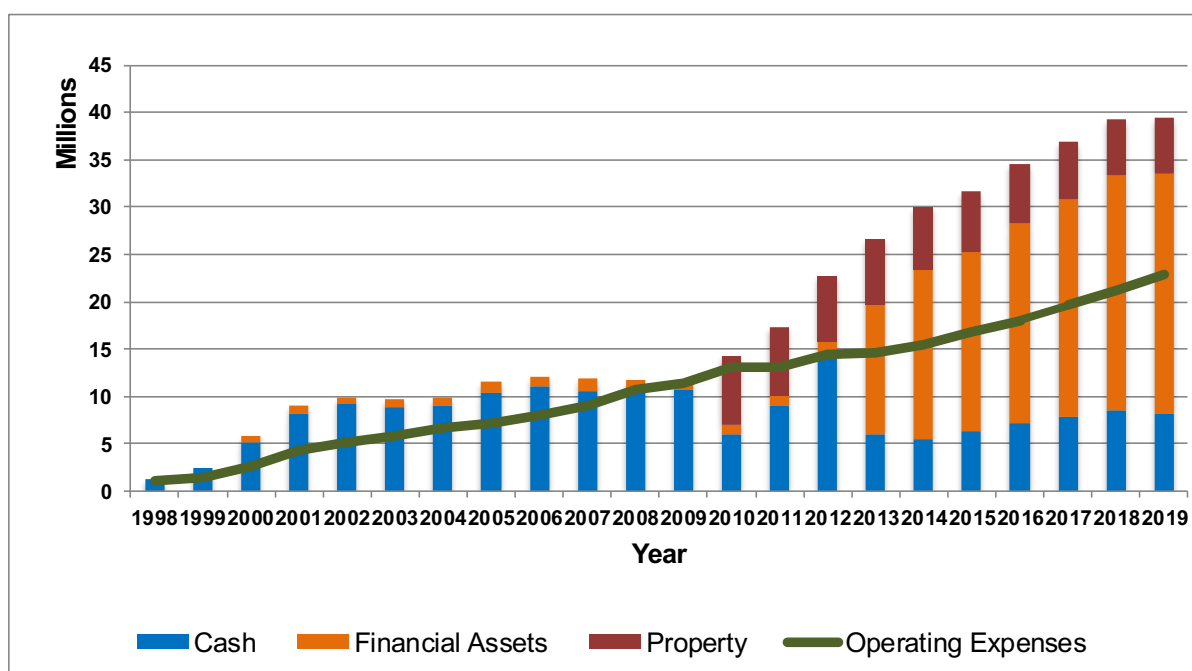


Figure 2. APNIC Reserves

6.3 APNIC's Equity and Reserves

By comparing the Total Equity (including retained earnings and unrealised capital gains), the Daily Operating Costs, the number of month's coverage of operational expenses is set out below:

	YTD 2019	2018	2017	2016	2015
Total Equity	\$29,463,563	\$28,721,050	\$27,708,013	\$25,647,507	\$23,319,460
% Equity covered by Cash/ Cash Equivalents	113.8%	116.0%	111.0%	110.6%	121.6%
Forecast/ Actual Daily Operating Expenses	\$62,819	\$58,122	\$53,909	\$49,430	\$46,077
Number of Months of expenses covered by Equity	15.42	16.25	16.90	17.01	16.64

Table 7. Equity and Reserves

7 Membership

7.1 Membership by Category

Membership	Total Dec 2018	YTD New Jan 2019	YTD Reactivate Jan 2019	YTD (Closed) Jan 2019	YTD Size Change Jan 2019	Total Jan 2019	% Total
Extra Large	24	0	0	0	0	24	0%
Very Large	44	0	0	0	0	44	1%
Large	143	0	0	0	1	144	2%
Medium	483	0	0	-6	1	478	7%
Small	3,376	27	3	-7	10	3,409	44%
Very Small	2,967	18	4	-6	-13	2,970	43%
Associate	125	6	0	0	1	132	2%
TOTAL	7,162	51	7	-19	0	7,201	100%

Table 8. Membership by Category

7.2 Membership Growth

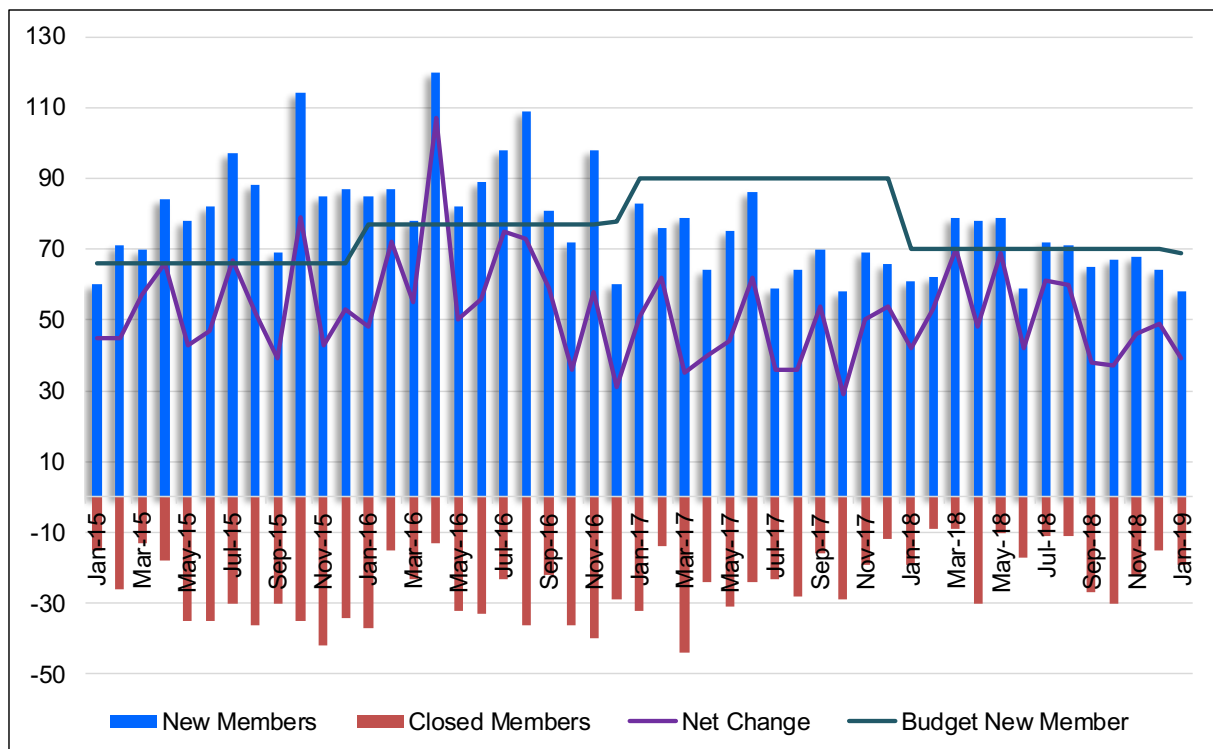


Figure 3. Membership Growth Analysis

7.3 Year-to-Date Membership Movement by Economy

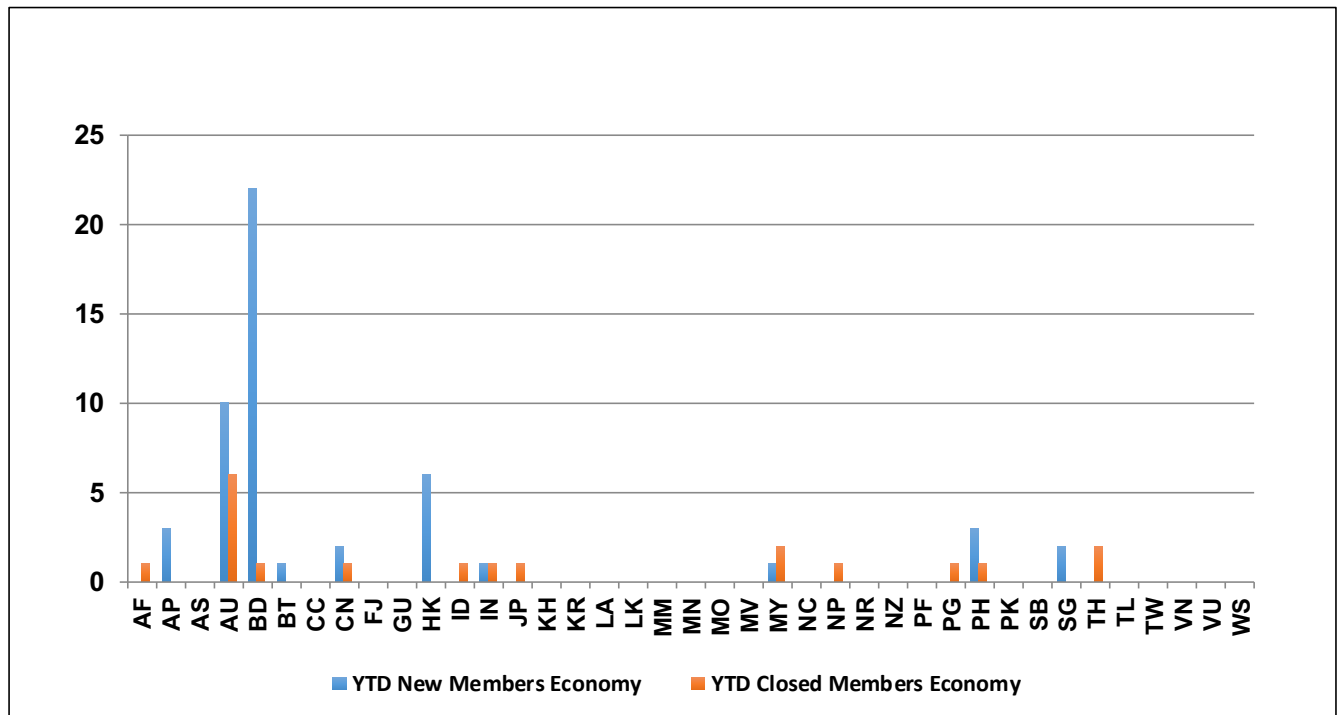


Figure 4. New and Closed Members Analysis

7.4 Membership Closures by Year Joined

Year Joined	Market transfer	Membership transfer to NIR	Merger & Acquisition	Non Payment [Uncontactable]	Voluntary member closure	Grand Total
1999					1	1
2003		1				1
2004			1			1
2005				1	1	2
2006			2			2
2009		1				1
2010				1	1	2
2012			1			1
2013				1		1
2016	1			3		4
2017				2		2
2018			1			1
Grand Total	1	2	5	8	3	19

Table 9. Membership Closure by Year Joined

7.5 Membership Closures by Economy

Economy	Market transfer	Membership transfer to NIR	Merger & Acquisition	Non Payment [Uncontactable]	Voluntary member closure	Grand Total	IPv4 Resources Reclaimed (/24's)	IPv6 Resources Reclaimed (/48's)	ASN Reclaimed
AF				1		1	2		1
AU			4		2	6	96	65537	1
CN	1					1	4	65536	3
ID		1				1			
IN				1		1	1	1	1
JP		1				1			
MY				1	1	2	40	65536	2
NP				1		1	72	65536	1
PG				1		1	4		1
PH				2		2	9		2
TH			1	1		2	8	65536	2
Grand Total	1	2	5	8	3	19	236	327682	14

Table 10. Membership Closure by Economy



Private Banking

Investment Report 1.1.2019 – 31.1.2019

APNIC PTY LTD

Portfolio: 3000039-70



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Private Banking

Investment Report 1.1.2019 – 31.1.2019

Portfolio **3000039-70**

In the Name of APNIC PTY LTD

Produced on 1.2.2019
Reporting Currency AUD

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Scope of Analysis
 as of 31.1.2019

Components	Portfolio	Asset Value in AUD	Discretionary Mandate	Opened	Closed	Performance Activation	Performance Deactivation
Investment related Positions							
AUD Portfolio	3000039-70	25,305,000	Yes	16.08.2013		31.12.2013	
Total Wealth		25,305,000					

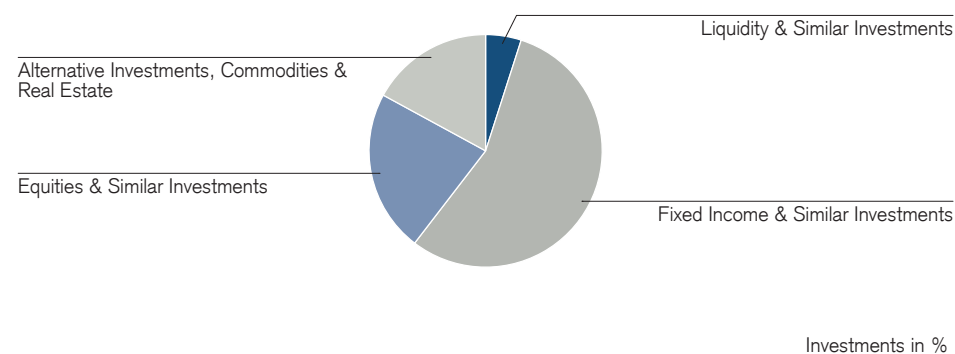
1. Overview

1.1. Asset Allocation

Asset Allocation by Asset Category

Period 1.1.2019 - 31.1.2019

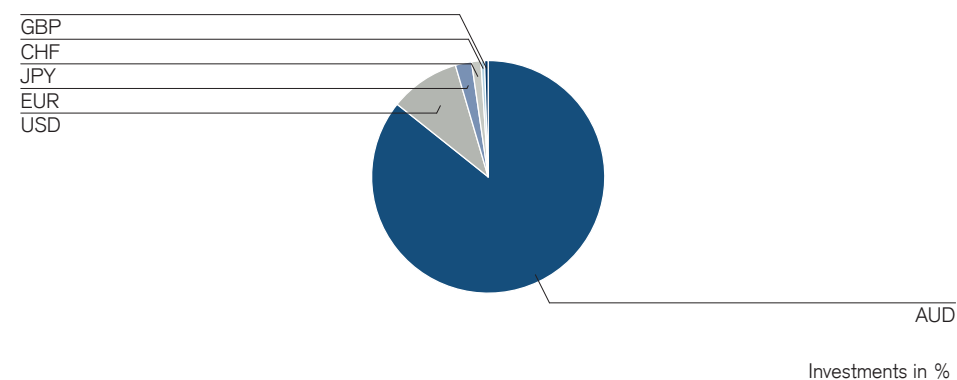
	Beginning Market Value in AUD	Change	Ending Market Value in AUD	Ending Market Value Prop.
■ Liquidity & Similar Investments	1,293,353	-43,801	1,249,552	4.94%
■ Fixed Income & Similar Investments	14,031,694	7,698	14,039,392	55.48%
■ Equities & Similar Investments	5,366,970	333,484	5,700,454	22.53%
■ Alternative Investments, Commodities & Real Estate	4,194,393	121,210	4,315,602	17.05%
Total Investments	24,886,409		25,305,000	100.00%



Asset Allocation by Currency

Period 1.1.2019 - 31.1.2019

	Beginning Market Value in AUD	Change	Ending Market Value in AUD	Ending Market Value Prop.
■ AUD - Australian Dollar	21,492,617	314,203	21,806,821	86.18%
■ USD - US Dollar	2,383,990	91,310	2,475,300	9.78%
■ EUR - Euro	561,945	9,254	571,198	2.26%
■ JPY - Japan Yen	326,320	1,831	328,152	1.30%
■ CHF - Swiss Franc	62,156	1,629	63,786	0.25%
■ GBP - Pound Sterling	59,380	363	59,743	0.24%
Total Investments	24,886,409		25,305,000	100.00%



1.2. Income and Activity

Income Summary

Period 1.1.2019 - 31.1.2019

	Current Period in AUD	Year to Date in AUD
Cash Dividend	97,335	97,335
Coupon Received/Paid	0	0
Interest Earned	2,190	2,190
Interest Paid	0	0
Net Income	99,524	99,524

Activity Summary

Period 1.1.2019 - 31.1.2019

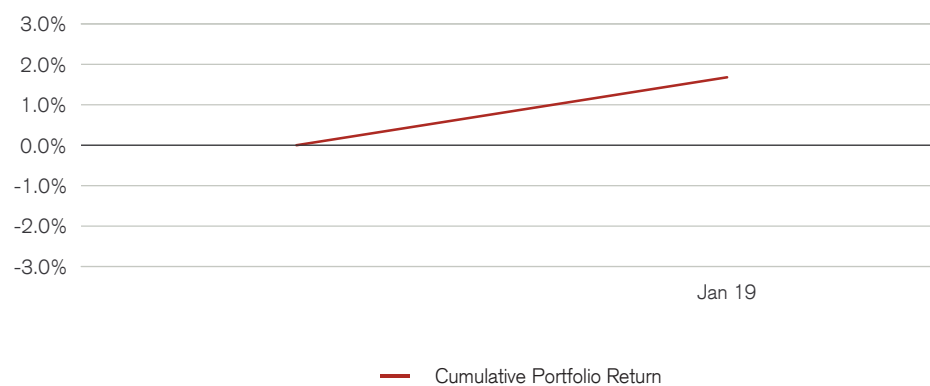
	Current Period in AUD	Year to Date in AUD
Asset Inflows	0	0
Asset Outflows	0	0
Net Investment Asset Flows	0	0

1.3. Performance

Performance Summary

Period 1.1.2019 - 31.1.2019

	Asset Value in AUD	Asset Value in AUD
Ending Market Value		25,305,000
Beginning Market Value		24,886,409
Asset Flows including		0
Inflows	0	
Outflows	0	
Net Non-Investment Flows	0	
Taxes	0	
Flow Adjusted Value Change		418,591
Cumulative Portfolio Return – net		1.68%



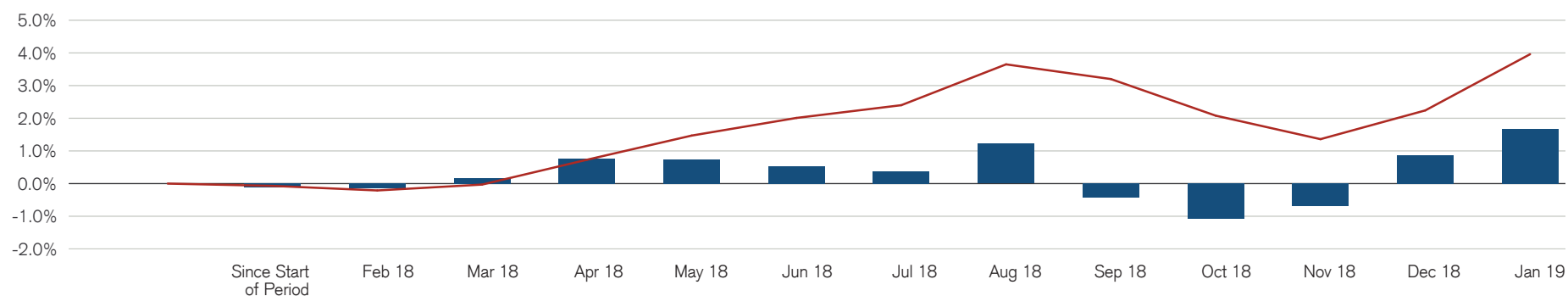
2. Analyses

2.1. Performance

Performance Details

Period 1.1.2018 - 31.1.2019

	Since Start of Period	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19
Ending Market Value	22,879,301	22,845,845	22,883,939	23,057,480	23,228,882	23,348,210	23,938,993	25,235,759	25,123,104	24,849,594	24,674,468	24,886,409	25,305,000
Beginning Market Value	22,894,610	22,879,301	22,845,845	22,883,939	23,057,480	23,228,882	23,348,210	23,938,993	25,235,759	25,123,104	24,849,594	24,674,468	24,886,409
Asset Flows including	0	0	-3,121	0	0	-3,142	500,000	1,000,000	-3,293	0	0	-3,393	0
Inflows	0	0	0	0	0	0	500,000	1,000,000	0	0	0	0	0
Outflows	0	0	0	0	0	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	0	-3,121	0	0	-3,142	0	0	-3,293	0	0	-3,393	0
Flow Adjusted Value Change	-15,310	-33,455	41,214	173,541	171,403	122,470	90,782	296,766	-109,362	-273,510	-175,126	215,334	418,591
■ Portfolio Return – net	-0.07%	-0.15%	0.18%	0.76%	0.74%	0.53%	0.38%	1.22%	-0.43%	-1.09%	-0.70%	0.87%	1.68%
— Cumulative Portfolio Return	-0.07%	-0.21%	-0.03%	0.73%	1.47%	2.01%	2.40%	3.65%	3.20%	2.08%	1.36%	2.24%	3.96%



3. Positions

3.1. Investment Related Positions

as of 31.1.2019

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	105,568.11	Current Account -20300003970945	1.0000		105,568		
					0.42%		
EUR	93,279.68	Current Account -20300003970056	1.0000		147,657	-161	-0.11%
			1.5847 EUR/AUD		0.58%	-161	-0.11%
GBP	33,056.11	Current Account -20300003970089	1.0000		59,743	-322	-0.54%
			1.8170 GBP/AUD		0.24%	-322	-0.54%
JPY	12,271,182	Current Account -20300003970335	1.0000		155,111	6,581	4.43%
			82.6175 AUD/JPY		0.61%	6,581	4.43%
USD	83,736.34	Current Account -20300003970780	1.0000		115,252	-2,458	-2.09%
			0.7114 AUD/USD		0.46%	-2,458	-2.09%
Total Accounts					583,332	0	2.31%

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 %
Call & Time Deposits							
AUD	666,000	2.01% Deposit - Fixed Term (MM1902501053) 25.01.2019 - 15.02.2019 Total interest at maturity: AUD 770.19	1.0000		666,220 220 2.63%		
Total Call & Time Deposits					666,220 220 2.63%		
Total Liquidity & Similar Investments					1,249,552 220 4.94%		
Fixed Income & Similar Investments							
Fixed Income & Similar Investments AUD							
AUD	4,186,086.41	UNITS -D- ISHARES AUSTRALIAN BOND INDEX FUND	AU60BGL01056 2244170	1.0282	1.0518 NAV 30.01.2019	4,402,813 98,692 17.40%	2.29% 2.29%
AUD	674.326	UNITS PIMCO GLOBAL CREDIT FUND	AU60ETL01145 3432906	1,000.7455	997.9765 NAV 30.01.2019	672,962 -1,867 2.66%	-0.28% -0.28%
AUD	1,726.253	UNITS PIMCO AUSTRALIAN BOND FUND CLASS -A-	AU60ETL01152 3432899	1,112.5010	1,137.5189 NAV 30.01.2019	1,963,645 43,187 7.76%	2.25% 2.25%
AUD	2,583,408.916	UNITS LEGG MASON WESTERN ASSET AUSTRALIAN BOND TRUST CLASS -A-	AU60SSB01221 2248336	1.2072	1.2431 BID 30.01.2019	3,211,461 92,881 12.69%	2.98% 2.98%
AUD	3,320,051.92	UNITS VANGUARD AUSTRALIAN FIXED INTEREST INDEX FUND	AU60VAN00014 1653500	1.1291	1.1411 NAV 30.01.2019	3,788,511 39,867 14.97%	1.06% 1.06%
Total Fixed Income & Similar Investments					14,039,392 0 55.48%		

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							
Equities & Similar Investments AUD							
AUD	4,119	REGISTERED SHS AUSTRALIA & NEW ZEALAND BANKING GROUP LTD	AU000000ANZ3 640139 ANZ.AX	30.2318	25.0300 CLO 31.01.2019	103,099 0.41%	-21,426 -21,426 -17.21%
AUD	7,216	REGISTERED SHS BHP GROUP LTD	AU000000BHP4 640390 BHP.AX	28.5717	34.8300 CLO 31.01.2019	251,333 0.99%	45,160 45,160 21.90%
AUD	1,337	REGISTERED SHS CARSALES.COM LTD	AU000000CAR3 10476764 CAR.AX	14.2157	12.6100 CLO 31.01.2019	16,860 0.07%	-2,147 -2,147 -11.30%
AUD	2,300	REGISTERED SHS COMMONWEALTH BANK OF AUSTRALIA	AU000000CBA7 646758 CBA.AX	76.7781	69.9100 CLO 31.01.2019	160,793 0.64%	-15,797 -15,797 -8.95%
AUD	296	REGISTERED SHS CIMIC GROUP LTD	AU000000CIM7 27620160 CIM.AX	47.6934	44.8100 CLO 31.01.2019	13,264 0.05%	-854 -854 -6.05%
AUD	53	REGISTERED SHS COCHLEAR LTD	AU000000COH5 102261 COH.AX	173.7542	193.4200 CLO 31.01.2019	10,251 0.04%	1,042 1,042 11.32%
AUD	3,480	REGISTERED SHS COMPUTERSHARE LTD	AU000000CPU5 241285 CPU.AX	16.8102	17.7700 CLO 31.01.2019	61,840 0.24%	3,340 3,340 5.71%

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	1,277 REGISTERED SHS CSL LTD	AU000000CSL8 241548 CSL.AX	104.9787	194.7200 CLO 31.01.2019	248,657 0.98%	114,600 114,600	85.49% 85.49%
AUD	2,080 REGISTERED SHS EVOLUTION MINING LTD	AU000000EVN4 14241033 EVN.AX	2.4388	4.0100 CLO 31.01.2019	8,341 0.03%	3,268 3,268	64.43% 64.43%
AUD	5,818 REGISTERED SHS FORTESCUE METALS GROUP LTD	AU000000FMG4 1655130 FMG.AX	4.9459	5.6500 CLO 31.01.2019	32,872 0.13%	4,096 4,096	14.23% 14.23%
AUD	7,612 UNITS ISHARES CORE S&P/ASX 200 ETF EXCHANGE TRADED FUND	AU000000IOZ4 12101500 IOZ.AX	24.5050	24.0400 CLO 31.01.2019	182,992 0.72%	-3,540 -3,540	-1.90% -1.90%
AUD	2,352 CHESS UNITS OF FOREIGN SECURITIES JAMES HARDIE INDUSTRIES PLC	AU000000JHX1 1303670 JHX.AX	21.4806	15.3300 CLO 31.01.2019	36,056 0.14%	-14,466 -14,466	-28.63% -28.63%
AUD	1,129 REGISTERED SHS MAGELLAN FINANCIAL GROUP LTD	AU000000MFG4 2807450 MFG.AX	24.2684	28.5400 CLO 31.01.2019	32,222 0.13%	4,823 4,823	17.60% 17.60%
AUD	1,136 REGISTERED SHS MACQUARIE GROUP LTD	AU000000MQG1 3422370 MQG.AX	67.5244	116.4800 CLO 31.01.2019	132,321 0.52%	55,614 55,614	72.50% 72.50%
AUD	5,172 REGISTERED SHS NATIONAL AUSTRALIA BANK LTD	AU000000NAB4 641643 NAB.AX	31.2395	23.8600 CLO 31.01.2019	123,404 0.49%	-38,167 -38,167	-23.62% -23.62%

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	1,377 REGISTERED SHS NEWCREST MINING LTD	AU000000NCM7 650853 NCM.AX	22.9235	24.4500 CLO 31.01.2019	33,668 0.13%	2,102 2,102	6.66% 6.66%
AUD	14,855 REGISTERED SHS ORORA LTD	AU000000ORA8 22750502 ORA.AX	2.9789	3.1600 CLO 31.01.2019	46,942 0.19%	2,690 2,690	6.08% 6.08%
AUD	8,324 REGISTERED SHS ORIGIN ENERGY LTD	AU000000ORG5 1051439 ORG.AX	8.7251	7.1600 CLO 31.01.2019	59,600 0.24%	-13,028 -13,028	-17.94% -17.94%
AUD	7,194 REGISTERED SHS QANTAS AIRWAYS LTD -1,945 of which is pending settlement	AU000000QAN2 390413 QAN.AX	6.5061	5.4400 CLO 31.01.2019	39,135 0.15%	-7,670 -7,670	-16.39% -16.39%
AUD	1,479 REGISTERED SHS RIO TINTO LTD	AU000000RIO1 603520 RIO.AX	66.4031	87.0500 CLO 31.01.2019	128,747 0.51%	30,537 30,537	31.09% 31.09%
AUD	3,559 SHS RESMED INC CHESS DEPOSITORY INTERESTS REPR 1/10 SH 580 of which is pending settlement	AU000000RMD6 1058638 RMD.AX	12.9217	13.0700 CLO 31.01.2019	46,516 0.18%	528 528	1.15% 1.15%
AUD	41,812 UNITS SPDR S&P/ASX 200 LISTED PROPERTY FUND EXCHANGE TRADED FUND 10,134 of which is pending settlement	AU000000SLF1 1377855 SLF.AX	12.2316	13.1100 CLO 31.01.2019	548,155 2.17%	36,727 36,727	7.18% 7.18%
AUD	4,592 UNITS SPDR S&P/ASX 200 FUND ETF AUSTRALIAN EQUITY EXCHANGE TRADED FUNDS	AU000000STW9 1285707 STW.AX	56.1148	54.6100 CLO 31.01.2019	250,769 0.99%	-6,910 -6,910	-2.68% -2.68%

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	2,085 REGISTERED SHS SUNCORP GROUP LTD	AU000000SUN6 588679 SUN.AX	13.7982	12.9800 CLO 31.01.2019	27,063 0.11%	-1,706 -1,706	-5.93% -5.93%
AUD	6,514 STAPLED SECURITY TRANSURBAN GROUP	AU000000TCL6 444655 TCL.AX	10.6423	12.1700 CLO 31.01.2019	79,275 0.31%	9,951 9,951	14.35% 14.35%
AUD	10,873 REGISTERED SHS TELSTRA CORPORATION LTD	AU000000TLS2 720464 TLS.AX	4.9151	3.1100 CLO 31.01.2019	33,815 0.13%	-19,627 -19,627	-36.73% -36.73%
AUD	5,364 REGISTERED SHS WESTPAC BANKING CORP	AU000000WBC1 642372 WBC.AX	32.2837	24.5500 CLO 31.01.2019	131,686 0.52%	-41,484 -41,484	-23.96% -23.96%
AUD	834 REGISTERED SHS WESFARMERS LTD	AU000000WES1 642397 WES.AX	31.3065	32.2100 CLO 31.01.2019	26,863 0.11%	754 754	2.89% 2.89%
AUD	2,738 REGISTERED SHS WOOLWORTHS GROUP LTD	AU000000WOW2 81350 WOW.AX	29.1782	29.3700 CLO 31.01.2019	80,415 0.32%	525 525	0.66% 0.66%
	281 of which is pending settlement						
AUD	2,436 REGISTERED SHS WOODSIDE PETROLEUM LTD	AU000000WPL2 642429 WPL.AX	35.0696	34.3200 CLO 31.01.2019	83,604 0.33%	-1,826 -1,826	-2.14% -2.14%
AUD	2,055 REGISTERED SHS COLES GROUP LTD	AU00000030678 44059594 COL.AX	12.5437	12.5100 CLO 31.01.2019	25,708 0.10%	-69 -69	-0.27% -0.27%

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	56,005	UNITS BLACKROCK CONCENTRATED INDUSTRIAL SHARE FUND CLASS -D-	AU60BLK00126 34230296	1.2786	1.0595 NAV 25.01.2019	59,338 -12,270 -12,270	-17.13% -17.13%
					0.23%		
AUD	47,586.96	UNITS ELEY GRIFFITHS GROUP SMALL COMPANIES FUND	AU60EGG00011 3222428	2.1139	2.1113 NAV 30.01.2019	100,470 -126 -126	-0.13% -0.13%
					0.40%		
AUD	0	UNITS ABERDEEN STANDARD EMERGING OPPORTUNITIES FUND	AU60ETL00329 2220820		2.3145 NAV 30.01.2019		
AUD	123,225.67	UNITS PARTNERS GROUP GLOBAL VALUE FUND (AUD) WHOLESALE	AU60ETL02762 26607292	1.8783	2.1215 NAV 31.12.2018	261,423 29,967 29,967	12.95% 12.95%
					1.03%		
AUD	21,767.1893	UNITS IRONBARK KARARA AUSTRALIAN SMALL COMPANIES FUND CLASS -A-	AU60PAT00021 2879000	3.0252	3.4992 NAV 30.01.2019	76,168 10,319 10,319	15.67% 15.67%
					0.30%		
AUD	6,150	REGISTERED SHS OIL SEARCH LTD	PG0008579883 809900 OSH.AX	8.4515	7.8100 CLO 31.01.2019	48,032 -3,945 -3,945	-7.59% -7.59%
					0.19%		
Total Equities & Similar Investments AUD					3,601,697 0 14.23%		
Equities & Similar Investments CHF							
CHF	495	UNITS -A- ISHARES ETF (CH) - ISHARES SMI(R) ETF (CH)	CH0008899764 889976 CSSMI.S	91.5160 0.7354 AUD/CHF	92.9400 CLO 31.01.2019	63,786 2,186 977 1,209	3.55% 1.56% 1.99%
					0.25%		
Total Equities & Similar Investments CHF					63,786 0 0.25%		

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	5,628	SHS EUR ISHARES II PLC - ISHARES CORE MSCI EUROPE UCITS ETF	IE00B1YZSC51 3246398 IQQY.DE	23.7689 1.5037 EUR/AUD	22.4200 OFF 31.01.2019	199,736 0.79%	-1,411 -12,018 10,607	-0.70% -5.68% 4.97%
EUR	9,305	ACCUM.PTG.SHS WELLINGTON MANAGEMENT FUNDS (IRELAND) PLC - WELLINGTON STRATEGIC EUROPEAN EQUITY FUND CLASS -N- UNHEDGED EUR	IE00B9DPD161 20938626	13.8471 1.4731 EUR/AUD	15.1945 NAV 30.01.2019	223,805 0.88%	34,000 19,846 14,154	17.91% 9.73% 8.18%
Total Equities & Similar Investments EUR						423,541 0 1.67%		
Equities & Similar Investments JPY								
JPY	640	UNITS NIKKEI 225 EXCHANGE TRADED FUND	JP3027650005 1264151 1321.T	18,961.5313 87.7787 AUD/JPY	21,390.0000 CLO 31.01.2019	173,041 0.68%	34,791 19,646 15,145	25.17% 12.81% 12.36%
Total Equities & Similar Investments JPY						173,041 0 0.68%		
Equities & Similar Investments USD								
USD	248	ACCUM.PTG.SHS ISHARES VII PLC - ISHARES NASDAQ 100 UCITS ETF USD	IE00B53SZB19 10737617 CSNDX.S	202.2470 0.8873 AUD/USD	385.1500 CLO 31.01.2019	131,467 0.52%	74,939 62,432 12,507	132.57% 90.44% 42.13%
USD	8,307	SHS -1C- XTRACKERS SICAV - XTRACKERS MSCI CHINA UCITS ETF CAPITALISATION	LU0514695690 11421659 XCS6.L	16.6930 0.7324 AUD/USD	17.1850 OFF 31.01.2019	196,484 0.78%	7,156 5,625 1,531	3.78% 2.95% 0.83%

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	190	SHS -IP- RAM (LUX) SYSTEMATIC FUNDS SICAV - EMERGING MARKETS EQUITIES CAPITALISATION	LU0704154458 14219625	149.4364 0.7594 AUD/USD	175.6500 NAV 30.01.2019	45,934 0.18%	8,544 6,855 1,689	22.85% 17.54% 5.31%
USD	4,584	SHS -R (ACC.)- GOLDMAN SACHS FUNDS SICAV - GOLDMAN SACHS EMERGING MARKETS EQUITY PORTFOLIO CAPITALISATION	LU0830622741 19578737	13.5800 0.7346 AUD/USD	13.1400 NAV 31.01.2019	82,904 0.33%	-1,843 -2,776 933	-2.17% -3.24% 1.07%
USD	49,213	SHS -UCITS ETF USD C- AMUNDI INDEX SOLUTIONS SICAV - AMUNDI MSCI EMERGING MARKETS CAPITALISATION	LU1681045453 38785088 AUEM.PA	4.8595 0.7679 AUD/USD	4.6644 CLO 31.01.2019	315,944 1.25%	4,500 -13,214 17,715	1.44% -4.01% 5.46%
USD	1,160	SHS ISHARES GLOBAL HEALTHCARE ETF	US4642873255 1352444 IXJ.P	47.5979 0.8872 AUD/USD	59.5000 CLO 31.01.2019	94,997 0.38%	32,767 19,003 13,764	52.65% 25.01% 27.65%
USD	1,536	TRUST UNITS SPDR S&P 500 ETF TRUST	US78462F1030 45088 SPY.P	200.2251 0.8427 AUD/USD	269.9300 CLO 31.01.2019	570,659 2.26%	205,716 147,363 58,353	56.37% 34.81% 21.56%
Total Equities & Similar Investments USD						1,438,389 0 5.68%		
Total Equities & Similar Investments						5,700,454 0 22.53%		
Alternative Investments, Commodities & Real Estate								
Hedge Funds								
AUD	510,393.378	UNITS GMO SYSTEMATIC GLOBAL MACRO TRUST CLASS -B-	AU60GMO00067 3375604	1.0073	1.0085 NAV 29.01.2019	514,732 2.03%	599 599	0.12% 0.12%

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	321,265.67	UNITS BLACKROCK GLOBAL ALLOCATION FUND (AUST) CLASS -D- WHOLESALE	AU60MAL00181 3379478	1.2406	1.1804 NAV 30.01.2019	379,224 1.50%	-19,333 -19,333	-4.85% -4.85%
AUD	175,161	RED.PTG.SHS -A1- AHL (CAYMAN) SPC AUD CLASS A EVOLUTION SEGREGATED PORTFOLIO	KYG012291145 22393979	1.1382	1.8036 NAV 31.12.2018	315,920 1.25%	116,551 116,551	58.46% 58.46%
USD	149	RED.PTG.SHS -A- CS RENAISSANCE ALTERNATIVE ACCESS FUND LTD USD	KYG258511099 34032546	1,160.0017 0.7191 AUD/USD	1,162.2443 EST 25.01.2019	238,352 0.94%	-2,005 460 -2,465	-0.83% 0.19% -1.03%
AUD	336,454.813	RED.PTG.SHS -A- AHL DIMENSION (CAYMAN) LIMITED AUD	KYG0132G1652 30773689	0.9991	1.0655 NAV 31.12.2018	358,493 1.42%	22,331 22,331	6.64% 6.64%
Total Hedge Funds						1,806,720 0 7.14%		
Commodities & Precious Metals								
AUD	3,833	ETC SECURITY ETFS METAL SECURITIES AUSTRALIA LTD 2003-WITHOUT FIXED MATURITY ON GOLD COMMODITY	AU00000GOLD7 1583458 GOLD.AX	148.6351	171.1700 CLO 31.01.2019	656,095 2.59%	86,376 86,376	15.16% 15.16%
USD	580	UBS ETC UBS AG, LONDON BRANCH 2007- OPEN END ON UBS BLOOMBER CMCI COMPOSITE TOTAL RETURN	CH0031794263 3179426 TCMCI.S	1,008.3991 0.8355 AUD/USD	855.9600 NAV 31.01.2019	683,307 2.70%	-16,757 -121,691 104,935	-2.39% -15.12% 12.72%
Total Commodities & Precious Metals						1,339,402 0 5.29%		

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 %
Real Estate							
AUD	13,962	STAPLED SECURITY DEXUS	AU000000DXS1 3819970 DXS.AX	10.3351	11.4800 CLO 31.01.2019	160,284 0.63%	15,985 15,985 11.08%
AUD	23,058	STAPLED SECURITY GOODMAN GROUP	AU000000GMG2 18079202 GMG.AX	8.8381	11.6600 CLO 31.01.2019	268,856 1.06%	65,068 65,068 31.93%
AUD	72,767	STAPLED SECURITY MIRVAC GROUP	AU000000MGR9 821911 MGR.AX	1.8439	2.4000 CLO 31.01.2019	174,641 0.69%	40,469 40,469 30.16%
AUD	23,003	STAPLED SECURITY SCENTRE GROUP	AU000000SCG8 23931192 SCG.AX	3.4593	3.9700 CLO 31.01.2019	91,322 0.36%	11,747 11,747 14.76%
Total Real Estate					695,103 0 2.75%		

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	4,309	PTG.SHS LEGG MASON GLOBAL FUNDS PLC - LEGG MASON WESTERN ASSET MACRO OPPORTUNITIES BOND FUND PREMIER CLASS DISTRIBUTING (S) HEDGED AUD	IE00BYOZZ17 28828240	101.7099	110.0900 NAV 30.01.2019	474,378 1.87%	36,110 36,110 8.24%
Total Other Alternative Investments					474,378 0 1.87%		
Total Alternative Investments, Commodities & Real Estate					4,315,602 0 17.05%		
Total Investments					25,305,000 100.00%		
of which Accrued Interest					220		

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-Investment Related Positions

Non-Investment Related Positions refer to positions held in the form of insurance policies, guarantees (standby letters of credit/bank guarantees/holdcovers) or mortgages,.

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.

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
OFF	=	Official Price

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 31.1.2019

AUD 1.0000	=	CHF 0.7213
AUD 1.0000	=	JPY 79.1121
AUD 1.0000	=	USD 0.7266

EUR 1.0000	=	AUD 1.5830
GBP 1.0000	=	AUD 1.8073

4.2. Legal Information

According to the Account Opening Terms and Conditions, this investment report shall be conclusive and binding if the Bank does not receive your objection in writing to any matters contained in this investment report within 14 days from the issue date.

Deposits with Credit Suisse are not subject to Division 2 of the Banking Act - Protection of Depositors.

If your account is booked with Credit Suisse AG, Sydney Branch or if your Relationship Manager (RM) or Investment Consultant is located in Australia, 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 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.

In the absence of reliable market reference prices, the Bank may assign a nominal value or make an appropriate comment on your investment report. As a result, the 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 will, at the time of printing this 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 in the Bank's investment report will not always reflect the price indications available on the last business day of the month 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 RM if you need further information on the FX conversion rate applied in relation to your CNY positions.

The information in this 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.

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

Agenda Item 9

APNIC 47 EC election procedures

2019 APNIC Executive Council (EC) Election Procedures

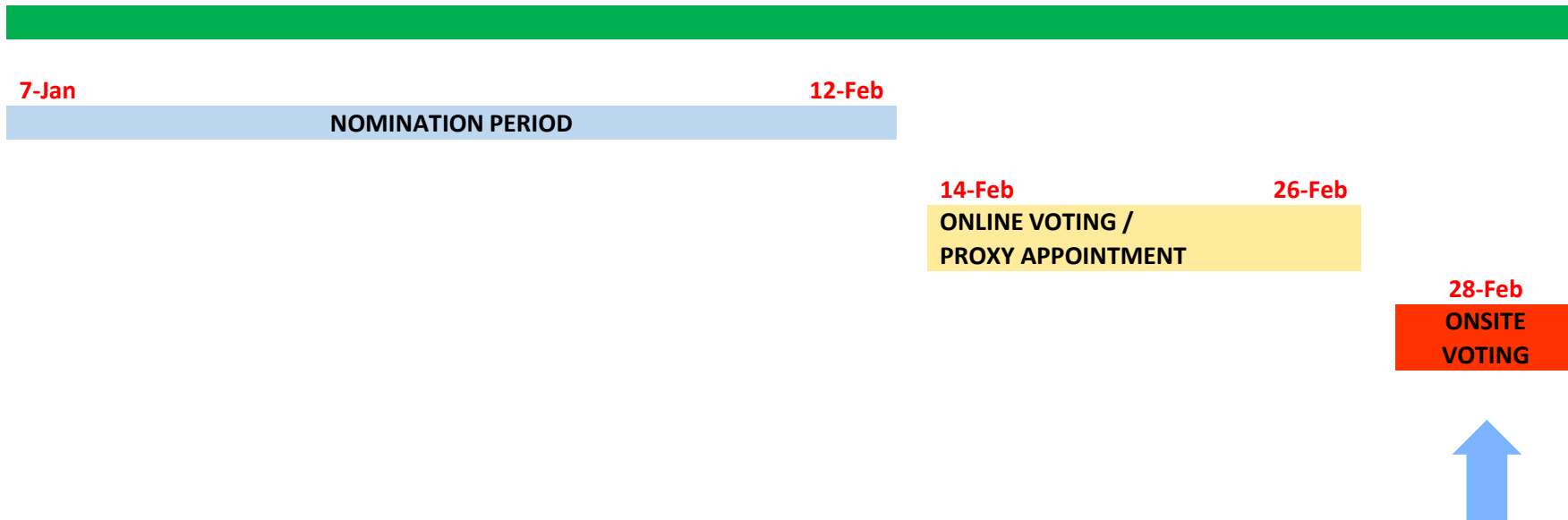
APNIC 47

28 February 2019

2019 APNIC EC Election

- Four APNIC EC members are retiring by rotation after serving a two-year term
 - They are eligible for re-election under the APNIC By-laws
- Four vacant seats on the APNIC EC
 - Two-year term starting from being elected on 28 February 2019

EC Election Timeline



- Nominations open approximately 8 weeks before AGM
- Nominations close approximately 2 weeks before AGM
- Proxy submissions and online voting open 10 working days before AGM
- Proxy submissions and online voting close 48 hours before start of election (09:30 UTC+9)
- On-site voting takes place 09:30-14:30 (UTC+9) on election day

Voting Entitlement

- Only current APNIC Member's Corporate Contacts, and authorized contacts with voting rights can vote
- The number of votes are determined by the membership tiers

Membership Tier	Votes
Associate	1 vote
Very Small	2 votes
Small	4 votes
Medium	8 votes
Large	16 votes
Very Large	32 votes
Extra Large	64 votes

On-site Voting

- Voting period
 - Starts: As announced by the Election Chair, **approximately 09:45 (UTC +9) Thursday, 28 February 2019**
 - Ends: **14:30 (UTC +9) Thursday, 28 February 2019**
- Ballot paper collection
 - Corporate Contacts, contacts with voting rights, or appointed proxies can collect ballot papers from the Voting desk (outside the AGM meeting room) until **14:30 (UTC +9) Thursday, 28 February 2019**
- Ballot Box
 - The ballot box is placed near the Voting desk after the Election Chair announces the opening of on-site voting

Voting Ballot Paper

- Ballot papers with 1, 2, 4, 8, and 16 votes are used
- Members who wish to split their vote may exchange their ballot paper at the Voting desk for a set of single-vote papers equal to the Member's total voting entitlement
- Instructions are included in the ballot papers

Voting Ballot Paper

Declaration of Result

- Election results will be announced at 15:50 (UTC +9) today, 28 February 2019
- 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

Declaration of results

Total valid paper ballots		
Total invalid paper ballots		
Total paper ballots counted		
Total on-site votes		
Total online votes		
Total votes counted		
Total vote count for each nominee (combined online and onsite votes)		
Total votes counted		

EC Election

- ByungKyu Kim, Executive Officer, TEIN*CC as Election Chair (appointed by the EC)
- George Kuo and Connie Chan as Election Officers (appointed by the EC)
- Anna Mulingbayan, George Odagi, and Tom Do as Election Tellers (appointed by the EC)
- Xxxx and xxxx as Election Scrutineers (appointed by the Election Chair)

Notice of Dispute

- Any complaint regarding the conduct of the election must be lodged in writing with the Election Chair at the conference 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
- The Election Chair shall resolve the dispute at his discretion

QUESTIONS?

Agenda Item 10

Secretariat report

APNIC Secretariat Report

1 Jan to 31 Dec 2018

APNIC EC Meeting
25 February 2019
Daejeon, South Korea



*“A global, open,
stable and secure
Internet that serves
the entire Asia
Pacific community”*

Activities



Serving APNIC Members



Supporting Regional Internet
Development



Cooperating with the Global Internet
Community



Corporate Support



Activities



Serving APNIC Members



Supporting Regional Internet Development



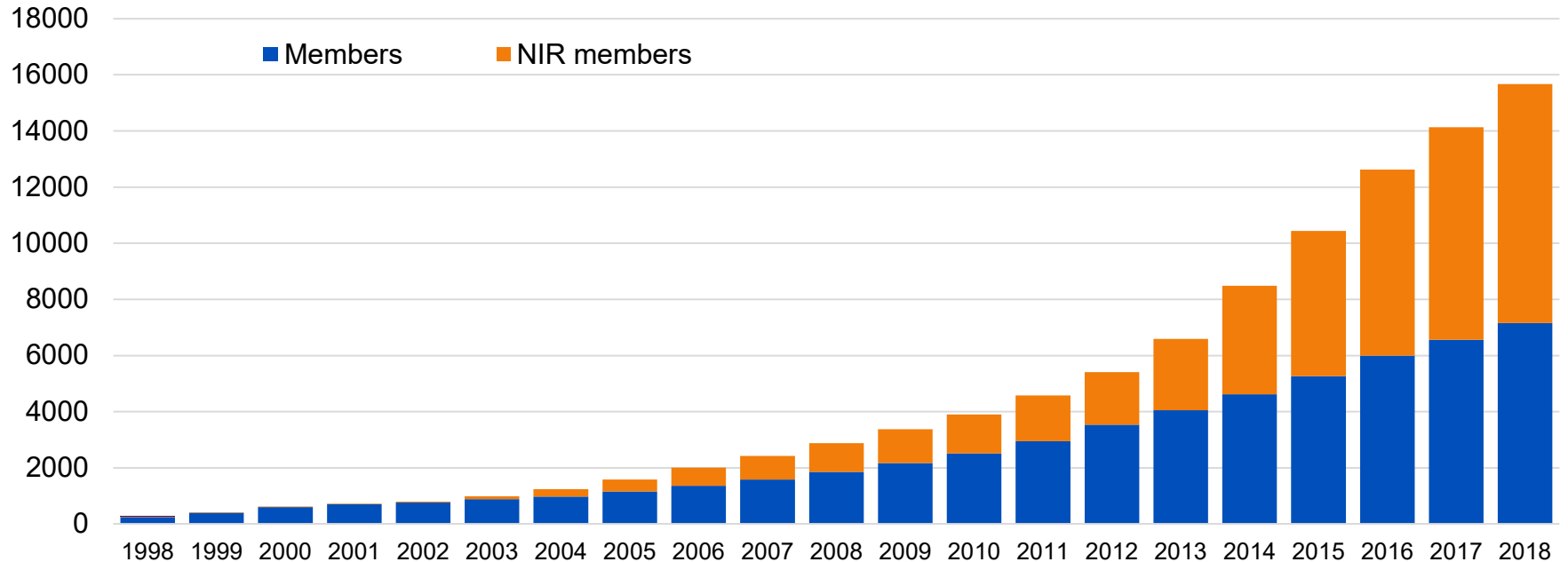
Cooperating with the Global Internet Community



Corporate Support

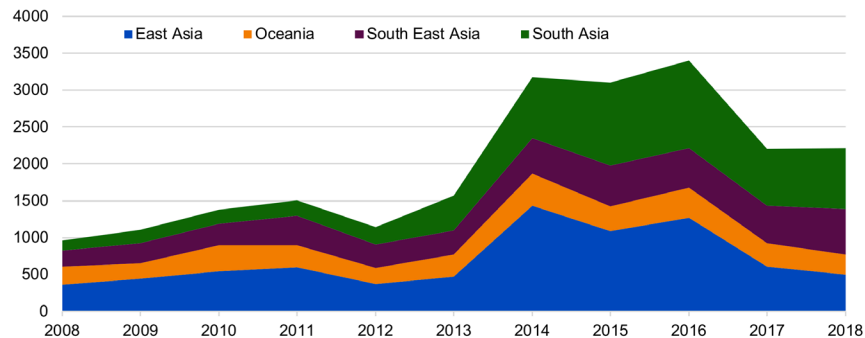


Membership



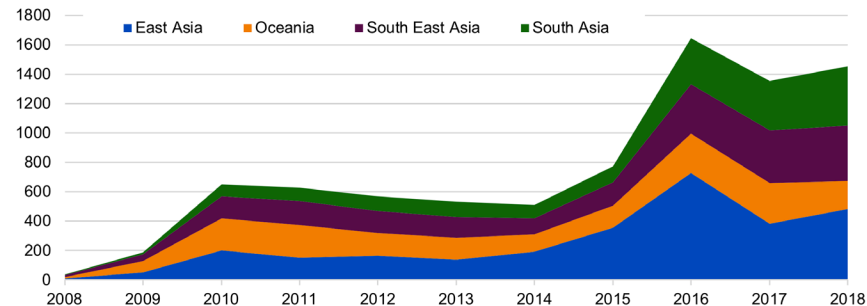
As at 31 Dec

IPv4 Delegations



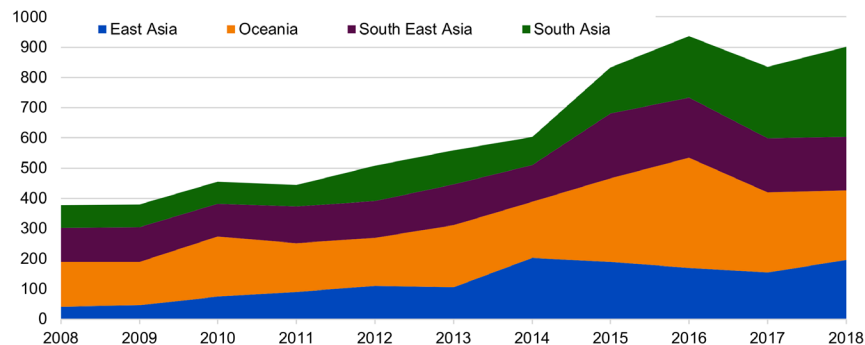
As at 31 Dec

IPv6 Delegations



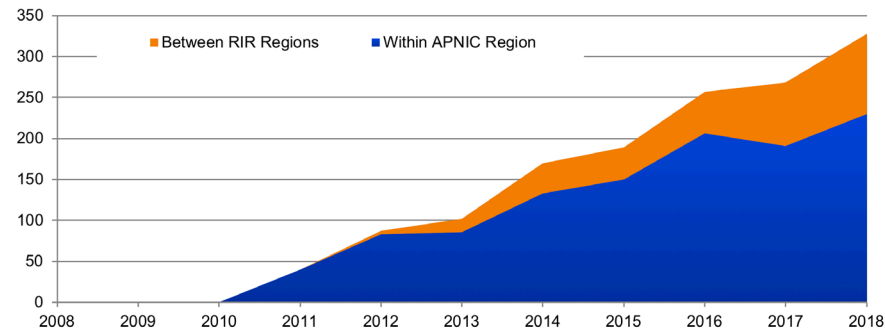
As at 31 Dec

ASN Delegations



As at 31 Dec

IPv4 Transfers



As at 31 Dec

MyAPNIC



MyAPNIC

ZEN MYAPNIC-TEST-AP LOGOUT

Home Resources Admin Contact Tools Events Voting My Profile

Home / Administration / Account Details Confirmation

Contact Review & Update

To meet [Resource Management Policy](#), you must keep all your contact details up-to-date. Please review and update your contact information below.

A green tick indicates other users have already reviewed and confirmed the records.

If you do not have the permissions to edit all records, please escalate this to your Corporate Contacts or the person responsible for the information.

STEP 1

Membership contacts

Please review contact details associated with your membership.

[Add new contact](#)

Full name	Email	Phone	Mobile	Job title	Corporate ?	Billing ?	Technical ?	Edit ?	Delete ?	Permissions ?
CC Name	cc-email@apnic.net		555-543-1234		*	*	*	Edit	Delete	Edit
BC Name	cc-email@apnic.net	555-555-5555			*	*	*	Edit	Delete	Edit
TC Name	tc-email@apnic.net									

Add IRT Object

Add IRT Object

Info
If you want to use an IRT object that already exists in whois, click "Add Existing IRT Object" button to register that object.

IRT name: IRT-MYAPNIC-TEST-AP2

Network's abuse email: user@EXAMPLE.NET

Maintainer: MAINT-ALEX-TEST

Address line 1: Tigers' Den, House4NDQWJ, 81 Uttam Mohi Shaw

Address line 2: Exampletown

Address line 3:

Address line 4:

[Submit](#)

[Close](#)

apnic.net/myapnic

- Performance improvements
 - Page load time ↓ 12%
- Contact management for whois accuracy
- whois aut-nums protected
- AS0 ROA creation (RFC 6483)
- Coming soon!
 - Contact validation workflow
 - Annual review reminders
 - New my.apnic.net
 - SSO



Resource Certification

- “Anysigner” OID submitted
 - proof-of-code to enable RPKI function to sign arbitrary objects
 - problem validation and use case analysis underway
 - Example application: LOA for service provisioning
- ‘RPKI Validation Reconsidered’ adopted as RFC8360
- RPKI Hardware Security Module (HSM) key migration
- Training and technical assistance



Resource Certification

Measure	1/1/2018	31/12/18	Δ
Members with certs	13.0%	21.9%	68%
Members with ROAs	7.4%	11.3%	52%
IPv4 under ROAs	3.3%	6.1%	85%
IPv6 under ROAs	0.9%	5.6%	522%



apnic.net/rpki



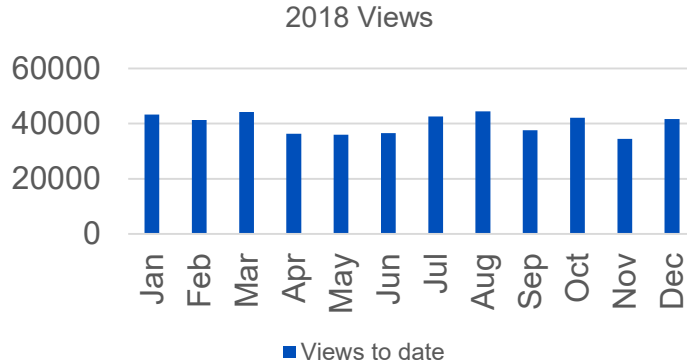
Service Partners

- Trial to improve outreach to APNIC Members in response to local needs
- Status
 - NEPALREN – agreement signed on 27 March 2018
 - Two more candidates (PCTA and MYNOG) enrolled
 - In October, received first Service Partner referral from Nepal



blog.apnic.net

Views



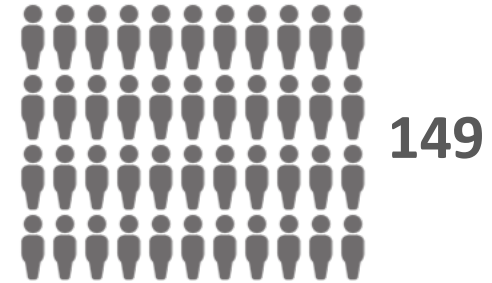
Average: 40,064 / month

Economies



Economies covered: 23

Guest Blog Posts



Topics



Top 5: Policy, IPv6, Security, Measurement, BGP

As at 31 Dec

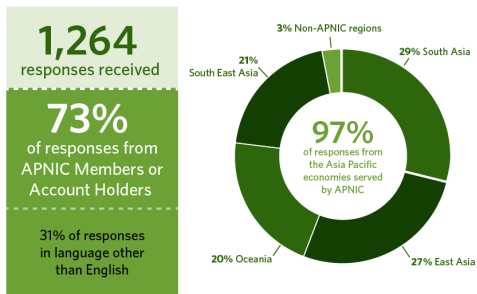
● APNIC Survey 2018



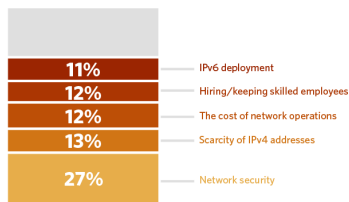
- Every 2 years since 1999
 - 10th survey completed Sep 2018
 - Regional focus groups, interviews and online survey
 - Major input into APNIC board planning processes
 - EC response published Dec 2018
- Independent, anonymous
 - Currently conducted by Survey Matters, Australia
- 1,241 valid responses, 31% in non-English language
- 97% of responses from Asia Pacific

apnic.net/survey

RESPONSE FIGURES

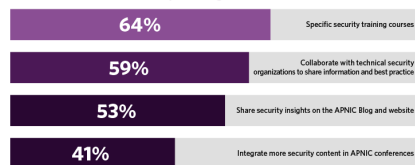


TOP 5 CHALLENGES RESPONDENT ORGANIZATIONS ARE FACING

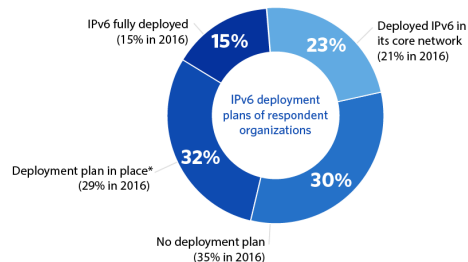


SECURITY

Top 4 ways that respondents felt APNIC could best assist them or others with network security challenges?



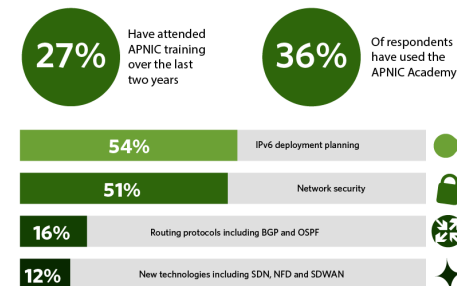
IPv6



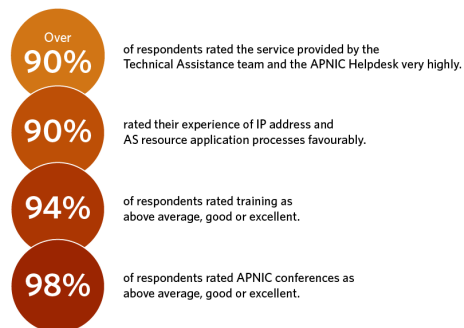
*2/3 expect it to be achieved by 2020

TRAINING

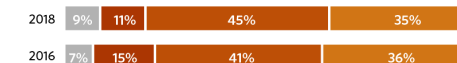
Top 4 training topics that respondents would like APNIC to make available.



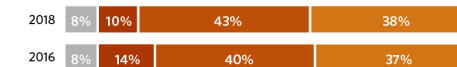
APNIC SERVICES



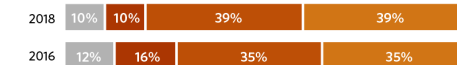
Quality of services



Value of services



Value of Membership



● Neutral ● Above average ● Good ● Excellent

Salesforce



OUR APNIC

Latest All Company Posts

Robbie Mitchell
06/12/2018, 9:43 pm
Cloudflare has released a performance-themed L...

Robbie Mitchell
02/12/2018, 11:54 pm
List of all the apps that have been killed during this...
<https://killedbygoogle.com/>

Ben Hoeking
23/12/2018, 7:07 pm
Business IT Update: Salesforce Migration Complete

Ben Hoeking
21/12/2018, 5:16 am
Business IT notification on scheduled maintain...

Trending Groups

EVENT | APN RFP 11

EVENT | RUNCDO 23

EVENT | APNIC 29

Internet Week 2018

New Groups

TWNIC IP OPM

ITU SG20

TWMOG

ISNIC sat AMM & AME OPM

Recent Popular Posts

Sunny Chend
27/11/2018, 8:09 pm
Great positive speech by the Honorable Ambassador...

Sunny Chend
28/11/2018, 11:56 pm
Setting up 100% as a high priority for Sums in 2019?

Klee Allen
29/11/2018, 8:06 pm
Klee Allen has submitted a possible Event called A...

Klee Allen
04/12/2018, 4:09 pm
eCWIT IPM

My Group List

CHAT | All Company
Adjust my notification settings
This is the default group for everyone in the APNIC network
All Post Notifications on

CHAT | General Security Topics

Chatter Feed

Select a feed
Most Recent

Post | Poll | Question | Announcement

Share an update... Share

20 Upcoming Events

CPO Asia Certification Course
Singapore - SG
02/12/2018 - 06/12/2018
Event Status: Upcoming
 [happening Now](#)

TWNIC IP OPM

Public

Owner | Every Post | New Contact | Manage Members | New Touchpoint

Chatter

Post | Poll | Question | Announcement

Share an update... Share

Sort by: Most Recent Activity

Search this feed...

George Kuo
3 December 2018 at 4:29 PM
[@SunnyChend](#) [@GeorgeKuo](#)
<https://opm.jenric.net/33th/presentation/270304.pdf>
<https://opm.jenric.net/33th/presentation/270309.pdf>

The presentations are uploaded now.
I'll be catching up with TWNIC this week to follow up with their next step.

[opm.jenric.net](#)
<https://opm.jenric.net/33th/presentation/270304.pdf>

Like | Comment | Share

1 comment · 2 views

Events (1)

TWNIC IP OPM

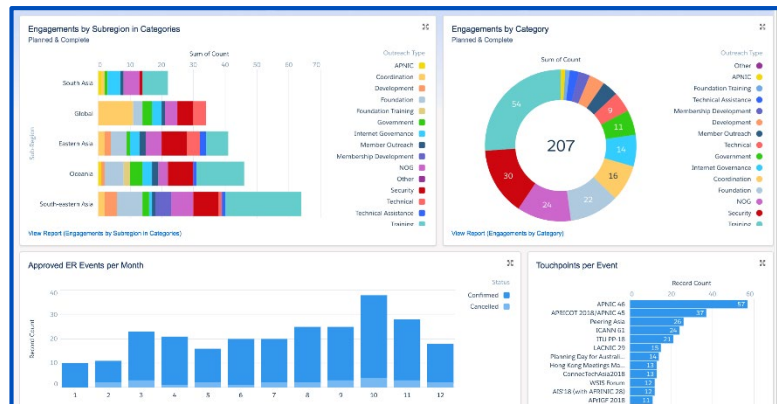
[View All Records](#)

Touchpoints

Meeting with Ting-I Chan
Meeting with Sunny Huang, Charnika Wijayasinghe
Meeting with CHIAWTECH IFAW

[View All Records](#)

IMG_20181127_124415_01.jpg



Contacts						
Recently Viewed						
80 Items · Updated a few seconds ago						
	NAME	ORGANISATION NAME	PRIMARY ROLE	PREFERRED NAME	PREFERRED EMAIL	OWN · CONTACT
1	Jen Lin	Google International, LLC	Role	Jen Lin	jenlin@google.com	System All DC
2	Suning Han	CRC Capital	CHAIRMAN	Edward	suning@crc.capital.com	Paul
3	Yusuo Li	Cyberspace Administration of China	Secretary-General of IAC	Li Yusuo	liyusuo@wto.wahten.cn	Paul
4	William Lee	Malaysian Communication and Multimedia Co.	Director of International Affs	William Lee	williamlee@gov.my	Louise
5	Isane Koskivirta	International Telecommunication Union	Regional Director	Isane Koskivirta	isane.koskivirta@itu.int	Paul
6	Nick Hyrka	ISPN Network Coordination Centre	Communications Manager (E...	Nick Hyrka	nicks@ispn.net	Paul LinkedIn
7	Kali Kan	Beijing University of Posts and Telecommunications	Professor	Kali Kan	kkanai@bnu.edu.cn	Duncan
8	Sunny Huang	Beijing Network Information Center	CEO	Sunny Huang	hsunny@bnnic.net.cn	Paul
9	Charnika Wijayasinghe	Ministry of Information Technology	Security, Stability and Resil...	Charnika Wijayasinghe	charnika.wijayasinghe@gov.lk	Paul LinkedIn
10	Ting-I Chan	National Communications Commission	Chairperson	Nicola Chan	nicoa@ncc.gov.tw	Paul
11	Cheng-Hong Cho	Taiwan Network Information Center	Chairman	Cheng-Hong Cho	chc@twnic.net.tw	Paul
12	Warawit Akkagun	Government of Thailand	Advisor to Permanent Sec...	Warawit Akkagun	warawit@gmail.com	Klee
13	Kaji Takumura	Ministry of Digital Economy and Society	Assistant Permanent Secretary	Kaji Takumura	kaji@takumura.jp	Paul
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15	Brahma Samou	Personal Capacity	Role	Brahma Samou	brahma@brahma.name	Paul
16	Jean-Christophe Firdor	Personal Capacity	Marketing Expert	Jean-Christophe Firdor	jcf@firdor.fr	Paul
17	Liu Zeping	Ministry of Industry and Information Technology	Deputy Director General	Liu Zeping	zpliu@mit.gov.cn	Duncan
18	Jasmine Chew	Singapore International Foundation	Senior Manager/Good Business	Jasmine Chew	jasmine.chew@sig.org.sg	Sybil
19	Marcos Olbes	International Telecommunication Union	Head, ICT Applications and C...	Marcos Olbes	marcos.olbes@itu.int	Paul LinkedIn
20	Francisco Forster	UN Department of Economic and Social Affairs	Interregional Adviser on S...	Francisco Forster	fforster@gmail.com	Paul
21	Sangye Heo	UN Economic and Social Commission for Asia...	Chief of ICT and Developm...	Sangye Heo	sho@unesc.or.kr	Chul
22	Atsuko Otsuka	UN Economic and Social Commission for Asia...	Chief of ICT and Developm...	Atsuko Otsuka	otsuka@un.org	Sybil



Internal infrastructure

Systems development

- Server config management (Puppet)
- Server patch management (Pulp)
- Upgrade of hardware security module for RPKI
- New backup archive server in separate data centre for disaster recovery
- Continued documentation of current internal security processes to ISO 27001 Information Security Standard
- Improvement of internal CSIRT function

Network consolidation and improvements

- Multilateral BGP peering with Megaport in Brisbane and Sydney
- Direct peering with Google for service deployment testing
- Peering with AARNET for additional transit
- Migrated internal networks to private IPv4 space and returned 203.119.42.0/23 to the IPv4 recovered pool
- Office telephony migrated to hosted service

	Av query rates p/s	Core system uptime
Whois	534	100%
RDAP	132	99.92%
MyAPNIC	0.17	100%
rDNS	11,700	99.99%

Training & TA



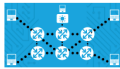
training.apnic.net



Trainees at PacNOG 2018

	2018
Face-to-face training	66
Economies	35
Trainees	2,156
Community Trainers	15
eLearning sessions	66
Trainees	365
Training videos	129
Views	599,475
TA sessions	9
Members	5

Empowering the Internet community
through online education



Cisco Full Mesh Router (Sandbox) Lab

2h 00m

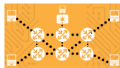
This full mesh virtual lab topology has been set up with 6 x Cisco CSR 1000V routers, 4 x Linux test machines and 1 x Linux configuration host. You can play with BGP, OSPF, IS-IS, DHCP, Flexible NetFlow, SNMP, NETCONF, and much more!



Cisco SLAAC/DHCPv6 Router Lab

2h 00m

Learn step-by-step how to configure a Cisco router and Linux hosts for SLAAC and DHCPv6 using our interactive Lab instructions and virtual devices.



MikroTik Full Mesh Router (Sandbox) Lab

2h 00m

This full mesh virtual lab topology has been set up with 6 x MikroTik routers, 4 x Linux test machines and 1 x Windows 10 configuration host (running WinBox). You can play with BGP, OSPF, MPLS DHCPv6, QoS, OpenFlow, and much more!



MikroTik SLAAC/DHCPv6 Router Lab

2h 00m

Learn step-by-step how to configure a MikroTik router and Linux hosts for SLAAC and DHCPv6 using our interactive Lab instructions and virtual devices.



- Relunched August 2018
 - Virtual labs
 - Partner courses (MANRS, Network Forensics and Analysis, IoT Security Challenges)
- Free public access
 - SSO via APNIC Login
 - Enrolled: 1,537
 - Certified: 1,042
- Coming soon
 - IPv6 Protocol Architecture
 - New security courses
 - More virtual labs



Activities



Serving APNIC Members



Supporting Regional Internet
Development



Cooperating with the Global Internet
Community



Corporate Support



Conferences

	APNIC 45 APRICOT 2018	APNIC 46
Location	Kathmandu	Nouméa
Dates	19-28 Feb	6 -13 Sep
Conference days	5	3
Workshop days/tracks	5/5	5/4
Delegates	752	305
Economies	64	46
Member organizations	247	92
Fellows		62
Remote participation		
Adobe Connect users	71	196
YouTube views	1,589	2,022
YouTube Minutes	12,998	22,742
Tweets	931	503

Conferences



- APNIC 45 / APRICOT 2018
 - IPv6 Hackathon
 - 24 participants
 - ICANN GAC workshop
- APNIC 46
 - 62 Fellows from 17 economies
 - 24 female, 4 Youth, 8 Returning
- Colocating with
 - APIX
 - AP*
 - FIRST TC

apnic.net/meetings





Policy Proposals

Proposals	Status
prop-118: No need policy in APNIC region	Agreed at APNIC 45 to allow author change and for revised proposal to be submitted; returned to mailing list .
prop-119: Temporary transfers	Agreed at APNIC 45 to allow author change and for revised proposal to be submitted; proposal withdrawn before APNIC 46.
prop-120: Final /8 pool exhaustion plan	Presented at APNIC 45. Did not reach consensus and was returned to author; proposal withdrawn before APNIC 46.
prop-123: Modify 103/8 IPv4 transfer policy	Presented at APNIC 45. Did not reach consensus and was returned to author; proposal withdrawn before APNIC 46.
prop-124: Clarification on IPv6 sub-assignments	Presented at APNIC 46. Did not reach consensus and was returned to mailing list .
prop-125: Validation of “abuse-mailbox” and other IRT emails	Reached consensus at APNIC 46; implementation in 2019.



Policy Engagement

- Updated web content
- Presentations at five NOGs/OPMs
- Pre-meeting webinars (926 views)
- Translation of summaries and outcomes
- Newcomers' sessions with mock Policy SIG
- Online promotion and invitations to APNIC Members
- Policy blog post series
- New Academy course on PDP

apnic.net/policy

APNIC 45 Policy SIG

APNIC 46 Policy SIG

Participate in APNIC Policy

▼ YOU ► COMMUNITY ► RESULTS

YOUR VOICE COUNTS

- Everyone can participate - not just your boss
- It doesn't matter how much experience you have
- It's a great way to build your profile and contribute to the Internet
- You can directly impact the way APNIC manages Internet numbers

Get involved in policy discussion!

The first step is to subscribe to the mailing list

SUBSCRIBE NOW!

IXP Support



Location	Type of support
Vanuatu	Two and a half-day workshop (Feb) with OGCIO; IXP benefits and best practices
Myanmar	Three-day workshop (Mar) with MM-IX; IXP best practices in traffic engineering
PNG	F-root installation and technical support at PNG-IXP
Fiji	Port security issues with USP connecting to the IXP
Bangkok	Sponsored BKNIX Peering Forum (May)
Mongolia	Support to MISPA-IXP on automating route server filters
Brunei	Three-day workshop (Oct) with APT and AITI on IXP establishment
Nepal / New Caledonia	Supported APIX at APNIC 45 and 46
Hong Kong	Peering Asia 2.0 (Nov)
Europe	Sponsored IXP-DB development and PeeringDB service
Europe	Sponsorship of IXP Manager development for RPKI support

NOG Support



Month	Events
January	NZNOG 2018, JANOG 41
March	HKNOG 6.0, PhNOG 2018
April	CaribNOG 15
May	bdNOG 8, ThaiNOG 2018
June	btNOG 5, iNOG 10, TWNOG, PacNOG 22
July	SGNOG 6, MyNOG 7, PhNOG Davao, JANOG 42, IDNOG 5
August	SANOG 32, VNNOG 2018, INNOG 2018, AusNOG 2018
September	HKNOG 6.1, LACNOG 2018, NANOG 74
November	LKNOG 2, TWNOG
December	npNOG 4, PacNOG 23



Security Support

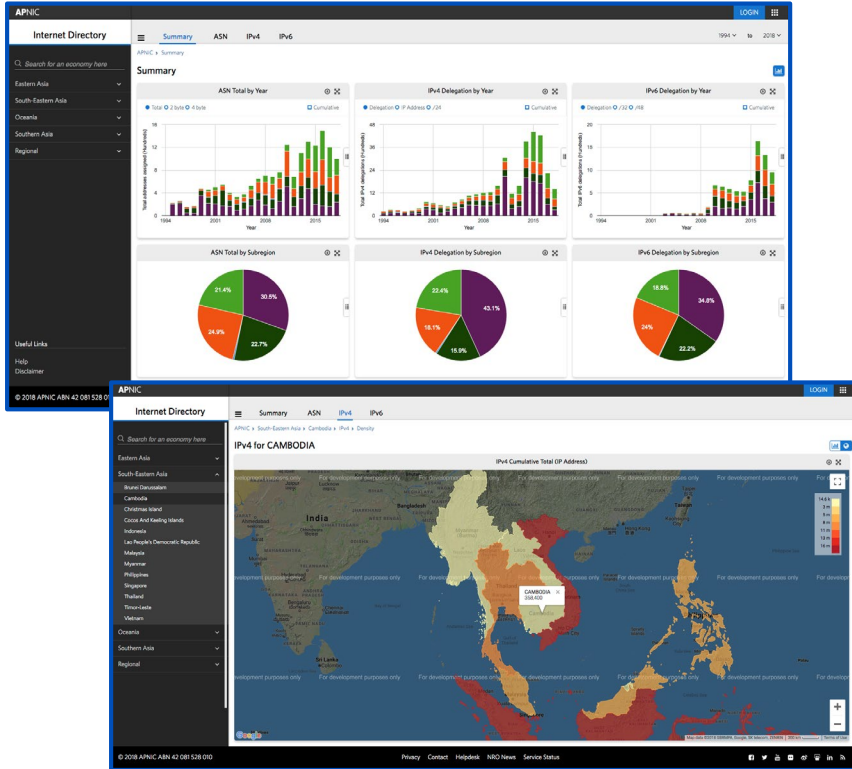
- **APCERT** Steering Committee meeting at APRICOT 2018
- **FIRST** TCs at APRICOT 2018 and APNIC 46, and Osaka
- **FIRST** Conference, MY
- **GEANT** TRANSITS training at APAN 45 (Mar) and APAN 46 (Aug)
- **LEA** training in HK, TW, FJ, SB
- **APISC** 2018, KR (with KISA)
- **APEC** TEL 57 SPSG workshop and TEL 58
- **ITU** Security workshop
- **MYREN** Security workshop
- **G7** High Tech Crimes Network
- **APT/BtCERT** Security workshop, BT
- **UN ICT** meeting on Counter Terrorism, MY



Pacific CERT Support

- **APNIC Foundation** funding of AUD 200K (two years)
- **PNG**
 - Launched PNG CERT with two-day technical workshop (Jan)
 - Project: Enhancing National Cybersecurity and Network Quality of Service
 - in advance of PNG's Hosting of APEC
 - Largest technical training program at a national level APNIC has executed
 - >160 members of PNG's technical community involved
- **Tonga**
 - Security and system administration workshop (Oct)
- **Solomon Is**
 - Security workshop in government data centre (Dec)
- **Regional CERT workshops**
 - Samoa (Apr), Tonga (May), Noumea (Sep)

Information products



- Information services
 - BoFs at APNIC 45 and 46
- Internet Directory updated with new features:
 - Economy comparison mode
 - Widgets to embed interactive charts
 - VizAS
- Network Security product - DASH
 - Alerting to honeynet activity
 - User testing at APNIC 46 and 47

stats.apnic.net

Internet Governance



IGF Events

- **APrIGF / PacIGF** 2018 (Aug), Vanuatu
 - Sylvia Cadena, Co-Chair of the MSG
 - APNIC sponsored fellowships and four workshops
- **IGF 2018** (Nov), Paris
 - Sylvia Cadena continues, Rajesh Chharia appointed to the MAG
 - Two workshop proposals, main session, 8+ panel sessions

Schools of Internet Governance

- **NPSIG** 1 (Jan)
- **WSIS Forum** (Mar), Geneva
- **AU IGF** planning (Jul)
- **APIGA** 3 (Jul), South Korea
- **INSIG** 2018 (Sep), India
- **PKSIG** 2018, Pakistan
- **Nethui** 2018, New Zealand
- **NPIGF** 2018, Nepal
- **BDSIG** 2018, Bangladesh

Social Media Activity



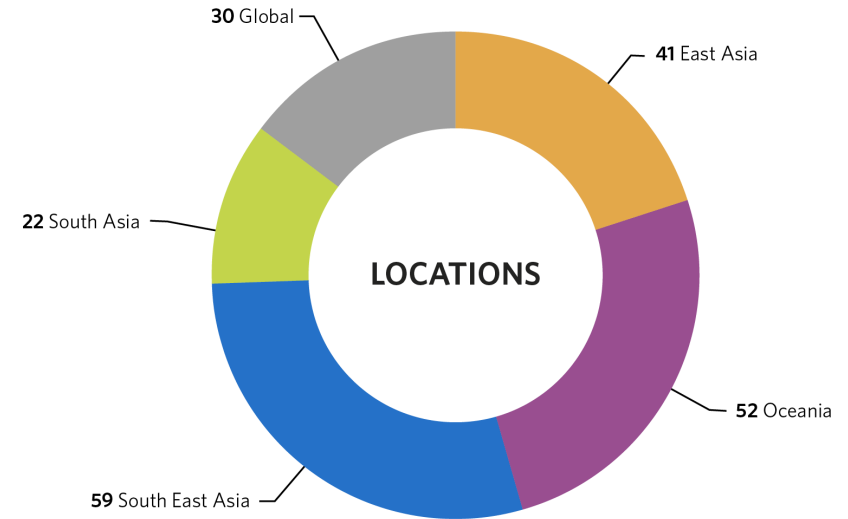
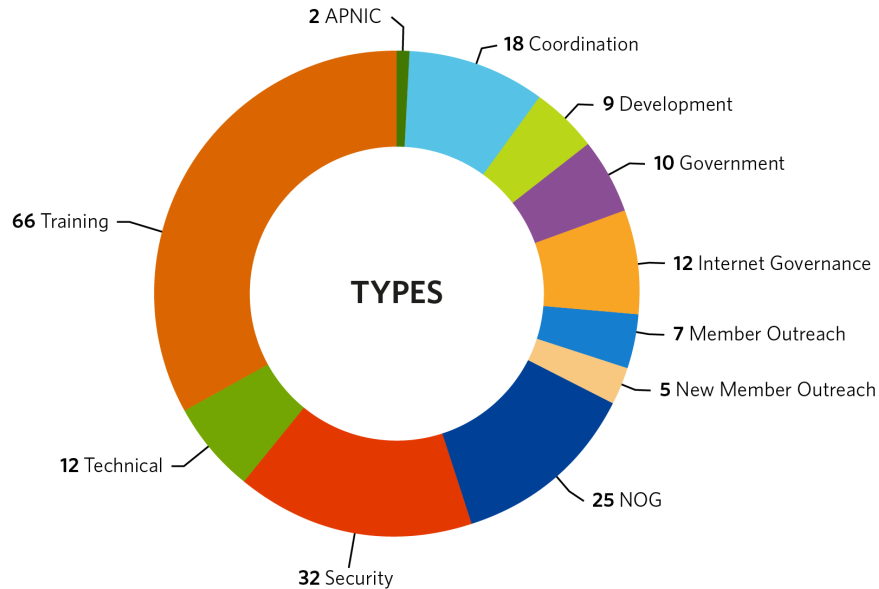
	Q1 2018	Q2 2018	Q3 2018	Q4 2018
Facebook				
• Reach	139,688	78,839	186,727	2,997,013
• Likes	26,782	27,024	27,414	27,869
Twitter				
• Followers	8,491	8,942	9,229	9,525
• Engagement	2,711	3,337	3,302	2,738
YouTube				
• Views	12,252	6,955	10,428	6,482
• Minutes	82,037	39,129	67,004	42,313
Slideshare				
• Views	32,707	30,172	38,503	36,560
LinkedIn				
• Reach	29,321	11,943	27,807	24,066
• Followers	2,865	3,009	3,158	3,320



Governmental Engagements

- **APT** preparatory meetings for **ITU Plenipot** (Nov)
 - Jan in Viet Nam (second meeting)
 - Jul in Australia (third meeting)
 - Aug in Malaysia (fourth meeting)
- Annual **IPv6 workshop** with ITU, 14 to 18 May
 - **Direct country assistance** in Brunei and Mongolia
- **APEC Tel 57** in PNG (Jun), and **TEL 58** in Taiwan (Sep)
 - Presented on IPv6 and IoT security
- **UNIDIR** Cyber Stability Conference (Oct)
 - Related with Paris Peace Conference and **IGF 2018**
- **WIC, Wuzhen** (Nov)

External Engagement Summary





R&E community outreach

- Sponsored and conducted SDN, DNS/DNSSEC, TRANSITS-I and security training at APAN 45 (Singapore), APAN 46 (New Zealand) and MYREN (Malaysia)
- Conducted two training sessions on UCSY/mmREN (Myanmar) with APNIC Foundation and KDDI Foundation
- Connected to AARNET for additional transit connectivity and more direct links to Research and Education community
- Also joined eduroam Wi-Fi roaming community

Activities



Serving APNIC Members



Supporting Regional Internet
Development



Cooperating with the Global Internet
Community



Corporate Support





apnic.foundation

*‘To have a global,
open, stable and
secure Internet that
is affordable and
accessible to the
entire Asia Pacific
community’*

APNIC Foundation



- Purpose: To build the APNIC Development Program
 - effectively, as the ‘fundraising arm’ of APNIC
- Over AUD 1M in funding secured in first 18 months of operation
- Two staff seconded from APNIC
 - Duncan Macintosh, Sylvia Cadena
- Three Board members appointed
 - Edward Tian (CN); Sharad Sanghi (IN); Sylvia Sumarlin (ID)
- First AGM and board meeting held in May 2018
 - Sylvia Sumarlin elected Board Chair



Information Society Innovation Fund

Grants and Awards 2018

- 236 nominations, 122 in new Gender Empowerment and Innovation category (IDRC funded)
- USD 210k for 8 grants and 2 awards:
 - Network Operations Research (APNIC)
 - Cybersecurity (APNIC)
 - Community Networks (ISOC)
 - Gender Empowerment/Innovation (IDRC)

isif.asia

WSIS Champion

- ISIF Asia recognized as a WSIS Champion in the International and Regional Cooperation category
- Sylvia Cadena participated in the Champions ceremony in Mar 2018



Ten years: 2008 to 2018



ASO Review consultation (Feb)

- APNIC Strawman proposal
 - From WG chairs, after discussion on the mailing list
 - Based on Option 3 (two-house model) of the ASO Review report and discussions of the ASO Review Working Group
- Strong support to a two-house ASO structure
 - Policy Council and Registry Council replace ASO AC and NRO EC
 - But no consensus on the number of members or the selection mechanism
- Members of the APNIC community continue to participate in the wg-aso-review mailing list
 - Other RIR consultations have been underway

ASO Review consultation (Sep)

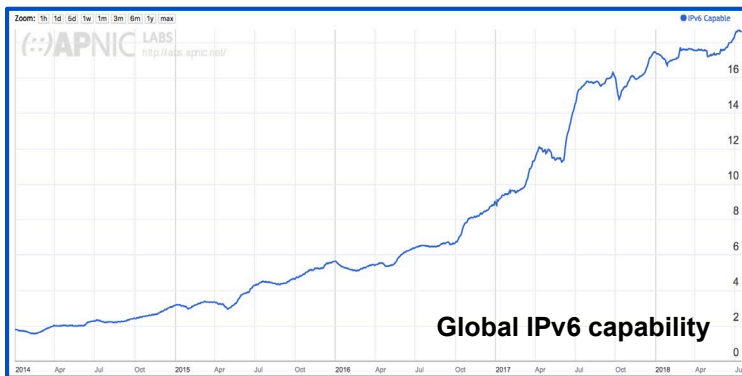


- Third consultation held at APNIC 46
- Online survey results:
 1. ASO should continue to appoint ICANN Board members (93%)
 2. The ASO should be a decisional player in ICANN's empowered community (97%)
 3. ICANN participation as "ASO" preferred (46%)
 - But significant number don't care (34%)
 4. RIR community members should participate in ASO review negotiations (83%)
- Next steps to be determined
 - After conclusion of RIR consultations



- APNIC was the Chair of the NRO in 2018
 - Including NRO EC and Coordination Groups
- Work items
 - ASO Review
 - IANA Review Committee report
 - ICANN Board seat #9 election
 - Response to NTIA's notice of enquiry on IANA transition
 - Framework for personal data in the Internet number registry system
- Coordination group projects include:
 - ECG: RDAP, RPKI, Unified reporting, Standardized file format
 - RSCG: ITHI, registry and whois accuracy, resource transfer improvements, NRO resource stats presentation
 - CCG: Website redesign, IGF participation

APNIC Labs



- 17 presentations at IETF, OARC, RIRs, NOGs
- 30 research blog posts
- Topics:
 - DNSSEC KSK rollover
 - IPv6, Extension Headers and IPv6 Fragmentation
 - QUIC and BBR
 - DNS research with ICANN
 - DNSSEC and NSEC caching
 - Open resolver collaboration with Cloudflare
 - ITHI DNS
 - Time Synchronization
 - BGP scaling, protocol and stability
 - Economic implications of Internet evolution
 - New mechanisms to support secure and trusted Inter-domain routing

labs.apnic.net

Activities



Serving APNIC Members



Supporting Regional Internet
Development



Cooperating with the Global Internet
Community



Corporate Support





Product Management

- Product Management approach adopted to developing systems and services
- Defines process of developing and improving APNIC products, including:
 - Idea/problem validation
 - Solution validation
 - MVP testing
 - Build/launch/operate (Agile process)
 - Retire

Activity Logging (beta!)



▼

← today →

Paul Wilson

Fortnight - Monday, 11 Feb 2019 - Sunday, 24 Feb 2019

Paul Wilson

Save for Later

Submit (5 days)

Week 1

Week 2

	Monday 18/02	Tuesday 19/02	Wednesday 20/02	Thursday 21/02	Friday 22/02	Saturday 23/02	Sunday 24/02
★ 🗑 Corporate : Taking leave	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
★ 🗑 Global Cooperation : I* Collaboration	<input type="text" value="0.00"/>	<input type="text" value="0.20"/>	<input type="text" value="0.00"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
★ 🗑 Global Cooperation : Inter-governmental Engagement	<input type="text" value="0"/>	<input type="text" value="0.20"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
★ 🗑 Regional Development : APNIC Conferences	<input type="text" value="0.50"/>	<input type="text" value="0.40"/>	<input type="text" value="1.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.50"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
★ 🗑 Regional Development : Policy development	<input type="text" value="0"/>	<input type="text" value="0.20"/>	<input type="text" value="0"/>	<input type="text" value="1.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
★ 🗑 Serving Members : Executive Council Support	<input type="text" value="0.50"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0.50"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
	1.0	1.0	1.0	1.0	1.0	0.0	0.0



Workplace Health and Safety

- Incident/Hazard monitoring
 - Quarterly WHS Committee meetings
- Compliance training (all staff and EC)
 - Prevention of bullying and sexual harassment
 - Anti-discrimination
 - Equal Employment Opportunity
 - Fraud awareness
- First Aid recertification
 - Training for Area Wardens and volunteers
- Risk assessments and WHS due diligence
 - Completed for APRICOT 2018 and APNIC 46
- Support for Kam Sze Yeung as WHS rep from APNIC EC



Behind the scenes

- Passed ISO 9001 surveillance audit
- Issued 8,897 invoices, paid 4,936 supplier invoices, prepared 1,080 journals, settled 1,602 expense claims and reconciled 4,056 credit card transactions
- Managed 429 travel bookings
- Filled 13 vacancies
- 42 external staff training and development activities
- Systems development and integration
 - SharePoint, NetSuite, Nexonia, Halogen, Ungerboek, Salesforce,

Thanks!

APNIC Secretariat Report

1 to 31 Jan 2019



Registration & Member services

- **RPKI**
 - NRO RPKI reporting processes coordinated with the RIPE NCC (ECG/NRO deliverable)
 - Initial design discussions for public web and MyAPNIC UI to drive 'anysigner'
 - Liaison with external suppliers of RP software for validation-considered support and documentation
- **RDAP**
 - Coordination for future all-NIR service model dependencies
 - Standards development work to coordinate at IETF 104 Prague; search, bulk access features
- **MyAPNIC**
 - Internal testing completed for contact update project; closed beta test planned for Feb
 - Project to automate whois updates during transfers completed internal testing (phase 1 and 2); Phase 3 and 4 will enable updates for M&A transfers; then applied to Inter-RIR transfers
 - SSO will soon be implemented on MyAPNIC
- **Other**
 - RIPE Forum Software entered internal testing
 - Service partners MyNOG and PCTA induction and training



Infrastructure services

- Testing new interconnection to SG via PCCW Global
- Upgrading on-premise virtualization server hosts
- Upgrading storage system software
- Introducing fast host cache layer
- Proof of concept for new Event Management system in Salesforce being developed



Regional Development

- APNIC 47 Policy Meeting:
 - prop-124: Clarification on IPv6 Sub-Assignments
 - prop-126: PDP Update
 - prop-127: Change maximum delegation size of 103/8 IPv4 address pool to a /23
 - prop-128: Multihoming not required for ASN
 - prop-129: Abolish Waiting list for unmet IPv4 requests
- Election for Policy SIG Chair will be held on Wed, 27 Feb



Regional Technical Development

- Attended and sponsored NZNOG 2019 and SANOG 33
- APNIC assisted Tashi CELL with test RPKI deployment
- IPv6
 - Assisted Bhutan Telecom to identify and solve an issue with IPv6 deployment in their mobile network
 - Eight IPv6-tagged blog posts
 - 61.62% of Members holding IPv6 resources; total IPv6 capability 15.8%
- Products:
 - First MVP being developed for network security product; user and testing activities at APNIC 47
 - Internet Directory: user research activities and interviews for problem validation at APNIC 47



Community Engagement

- Participation:
 - Translated promotional emails to JP and CN Members for APRICOT 2019; liaised with KRNIC and KNX to encourage participation
 - Summaries of policies translated in eight languages; blog post on proposals published, webinar
- Government and IGOs
 - Invited to celebrate 25th Anniversary of the Internet in China
 - Participated at AITI – presented on cybersecurity
 - Sylvia Cadena attended the first IGF MAG meeting for 2019
- R&E Networks
 - APNIC will conduct three tutorials on RPKI deployment; continuing to collaborate with GEANT on TRANSITS-I training
 - Assisting AARNet with ROA creation

APNIC Foundation

- Second board meeting scheduled in May
- Two new Board Members: Mr. Danish Lakhani from Pakistan and Mr. Michael Malone from Australia (total 5; 2 positions vacant)
- Planning continued for Foundation's four projects in the Pacific:
 - Technical training and support for PNG community
 - Equipment support for PNG CERT
 - Training and support for Pacific CERTs
 - Training for Pacific LEAs
- ISIF Asia: Grants and Awards defined
 - Internet for Development will focus on power solutions for Internet infrastructure (AUD 100K)
 - Network Operation Research Category will focus on security and reliability (AUD 60K)



Thanks!

25 February 2019

APNIC Secretariat Report

1 January to 31 December 2018

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Introduction

This report is provided to the APNIC Executive Council (EC) for the quarterly face-to-face meeting in Daejeon, South Korea on 25 February 2019. **It provides a summary of activities from Q1 to Q4 2018, up to 31 December 2018.**

This report does not contain financial or budgetary information, which is provided in other reports to the Executive Council. It also does not include Human Resources information, which is provided confidentially to the APNIC EC, for reasons of personal privacy.

0.1 Executive Summary

This summary provides a list of all significant highlights and achievements for the year, with further details available in the body of the report as referenced.

Serving Members

- All whois “aut-num” objects assigned by APNIC are now protected with the APNIC-HM maintainer.
- Automation of the IPv4 transfer listing and pre-approval renewal processes was developed and deployed (1.5).
- APNIC Service metrics showed high satisfaction and SLA (Service Level Achievement) results in 2018 (2.1).
- Average page load time for MyAPNIC improved by 12% since the start of the project to improve MyAPNIC performance and usability. The MyAPNIC RPKI service also now supports AS0 ROA creation (2.2).
- The APNIC Blog reached a milestone in July 2018 by passing 1 million views since its creation in August 2014. Average monthly views in 2018 were 40,064 (2.3).
- There were 149 Guest Posts in 2018, representing 50% of total opinion posts (2017: 43%) (2.3).
- APNIC’s quality management system underwent a successful surveillance audit at the end of July, which found that it complied with the AS ISO9001:2016 requirements (2.5).
- Single Sign-On (SSO) was deployed, allowing ‘APNIC login’ credential to access the APNIC Academy, Internet Directory, and soon, MyAPNIC. (2.6)
- NEPALREN, (Nepal Research and Education Network), PCTA (Philippine Cable TV Association), and MYNOG (Malaysia Network Operators’ Group) are APNIC’s trial Service Partners. During October, APNIC received its first Member referred through this initiative (2.7).
- The APNIC Survey 2018, conducted from 5 June to 2 July 2018, received 1,241 valid responses, the largest of any survey so far (2.8).
- All External Relations processes and reporting tools have been imported into Salesforce (2.9).
- Completed server configuration management system (Puppet) (3.3).
- Implemented package management system (Pulp) for security reporting and patching across all servers (3.3).
- Work on disaster recovery to strengthen recovery arrangements included a backup archive server implementation, which holds a complete backup of APNIC archived data, in a separate data centre (3.3).
- APNIC office migration to private IPv4 addresses and IPv6-only Wi-Fi network. 203.119.42.0/23 was returned to the APNIC recovered pool (3.4).
- APNIC conducted training in Tokelau and at APAN meetings (45 and 46) for the first time (4.1).

- The APNIC Academy was upgraded in August and includes many new features including new courses, virtual labs and third-party resources. A Policy Development Process course was launched on the APNIC Academy in November 2018 (4.1).
- APNIC held its first successful Hackathon on IPv6 at APRICOT 2018 (24 participants in total [6 women; 18 men] (5.1).

Regional Development

- Three new policy proposals were submitted to the Policy SIG and three previously discussed policy proposals were withdrawn by their authors, leaving four for discussion at APNIC 46 (6.1).
- Prop-125: Validation of “abuse-mailbox” and other IRT emails reached consensus at the AMM. The subsequent four-week comment period on the mailing list closed without any objections on 16 October 2018. The APNIC EC endorsed the proposal in December 2018 (6.1).
- The F-root was set up in Papua New Guinea in July (6.2).
- APNIC has supported the establishment of several IXPs in the region through training, technical assistance, sponsorship and equipment support, including PNG-IXP, Fiji IXP, BKNIX, MISPA-IXP, IXP-DB, and APIX. (6.3).
- New Security section of the APNIC website (considering feedback from Members and EC following 2016 APNIC Survey) completed and deployed (6.5)
- In May, APNIC conducted a workshop in Tonga to support CERT development in the Pacific, with attendance from seven Pacific economies. A second CERT event was held in APNIC 46, with 13 sponsored participants joining the Network Security workshop and FIRST TC (6.6).
- The Internet Directory was launched in Sep, with a new release launched at the end of Nov. Apart from bug fixes, this new release includes three main new features: the comparison mode, embedded VizAS diagrams, and web components (widgets) (6.7).
- The Network Security product is named DASH – Dashboard for Autonomous System Health and the MVP (Minimum Viable Product) will be ready for user testing activities at APRICOT 2019 (6.7).
- APNIC provided 62 fellowship to APNIC 46 from 17 economies in the region, including 24 females. The majority of Fellows (51) were from Pacific Island economies (7.2).
- APNIC training is continuing outreach to the Research & Education community through training and support at events in the region (7.6).
- As part of the project to increase participation in the APNIC PDP, APNIC published six blogposts looking back at policies that have made a significant impact in October and November 2018 (7.7).
- Two new APNIC Foundation Board members were appointed in 2018, bringing the total to five, with two positions vacant: Mr. Danish Lakhani from Pakistan and Mr. Michael Malone from Australia (8.1).
- ISIF Asia was recognized as a WSIS Champion at the annual WSIS Prizes contest (8.2).
- ISIF Asia awarded USD 210,00 to 10 projects (8 grants and 2 awards) across 4 categories in the 2018 round of funding. ISIF Asia received 236 nominations for the 4 categories from 28 economies in the region, including 122 for the new category, Gender Empowerment and Innovation (8.2).
- The APNIC Foundation received funding of USD 343,354.35 for the project entitled ‘Enhancing National Cybersecurity and Network Quality of Service in Advance of Papua New Guinea’s Hosting of APEC’ (8.3).
- The APNIC Foundation achieved over AUD 1 million in funding in its first 18 months of operation from donors including the Asia Foundation, ISOC and the governments of Australia, New Zealand and Canada (8.3).

Global Cooperation

- APNIC has held two ASO review meetings (APNIC 44 and 45), considering a two-house model (policy and registry councils). ARIN and LACNIC have also held small consultations with their communities as well. APNIC and other RIRs completed community consultations in November 2018 (9.1).
- There was a total of 234 engagements in 2018, 5% more than in 2017. There were 65 training engagements delivered by APNIC trainers in 2018, comprising 28% of the total. (9.3)
- APNIC was the Chair of the NRO EC in 2018 and led the NRO coordination group projects including ITHI, whois accuracy, resource transfer improvement, website and presentation design, RDAP review, RPKI standardization, and statistical report developments (9.6).

Corporate

- During 2018, APNIC Secretariat adopted a 'Product Management' approach to development of systems and services (12.4).

Serving Members

1 Registration Services

1.1 IPv4, IPv6 and ASN delegation and registration services

Resources pool summary

The following table shows the status of all APNIC Internet number resource pools at the end of 2018.

	Total held (1 Jan 2018)	From IANA	Transfers in	Transfers out	Total held (31 Dec 2018)	Total allocated	Total free
IPv4 (/24s)	3,446,762	12	28,550	3,468	3,471,856	3,444,038 (99.20%)	27,818 (0.80%)
IPv6 (/48s millions)	69,926	0	n/a	n/a	69,926	4,799 (6.86%)	65,127 (93.14%)
ASNs	17,044	0	1	0	17,045	15,391 (90.30%)	1,654 (9.70%)

Table 1: Internet number resource summary

IPv4, IPv6 and ASN delegations

The following table shows the number of delegations for each resource type and the graphs below the table show the distribution of delegations by subregion.

Resources	Q1 2018	Q2 2018	Q3 2018	Q4 2018
IPv4 (103/8)	497	473	597	517
IPv4 (recycled space)	10	10	37	58
IPv6	324	337	423	346
ASNs (excluding NIR)	196	236	245	235

Table 2: Internet number resource delegations

IPv4 delegations

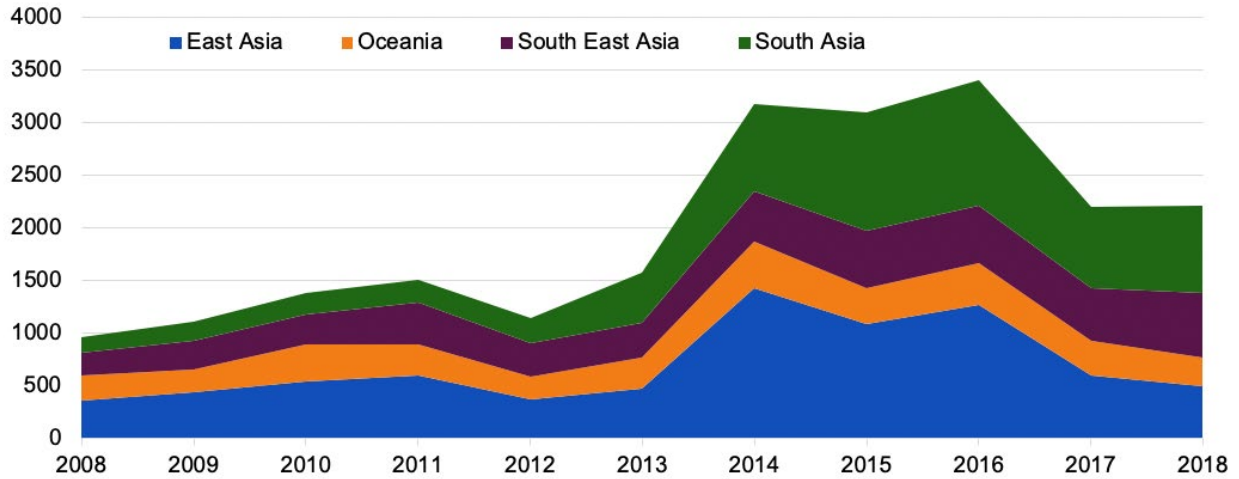


Figure 1: IPv4 delegations

IPv6 delegations

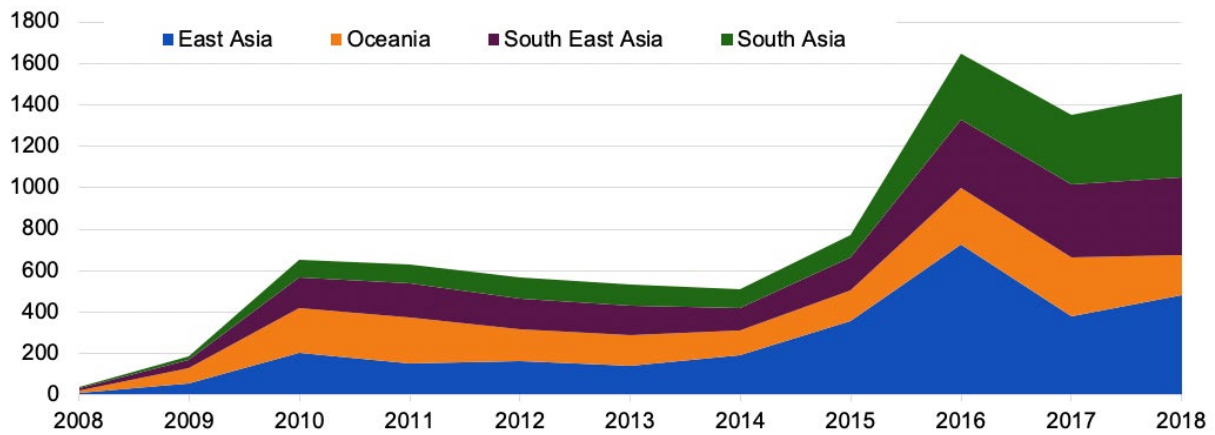


Figure 2: IPv6 delegations

ASN delegations

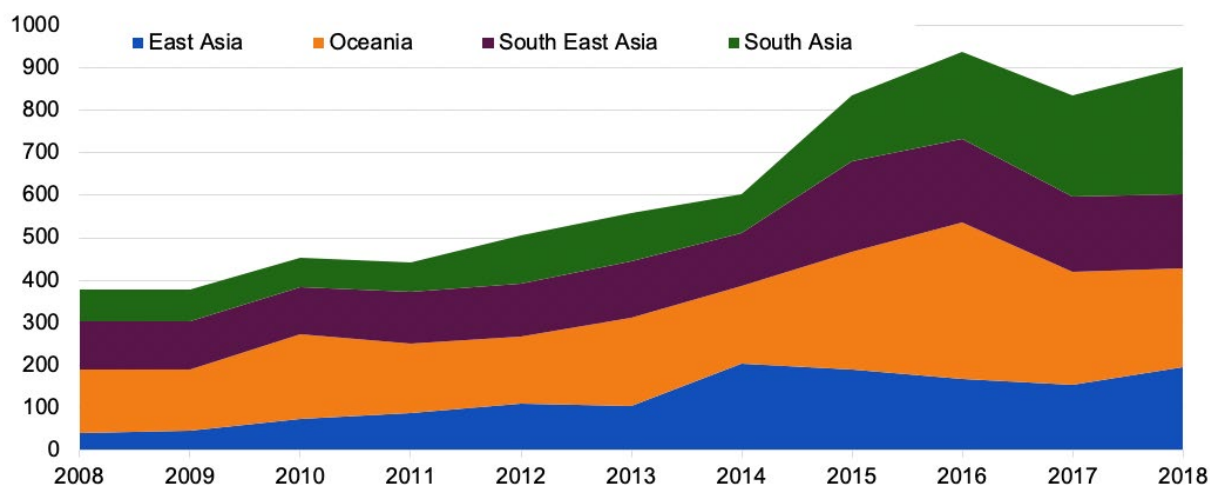


Figure 3: ASN delegations

Member resource type holdings

The proportion of Members holding specific resource types is as follows.

Resource type	Q1 2018	Q2 2018	Q3 2018	Q4 2018
IPv4 (103/8)	72.04%	73.20%	74.14%	75.04%
IPv4 (recycled space)	24.17%	23.40%	22.96%	22.82%
IPv6	57.81%	59.34%	60.47%	61.41%
ASNs	74.94%	75.37%	75.86%	76.30%

Table 3: Member resource type holdings

Status of last /8 (103/8)

The following table shows the number of delegations and the remaining space available in the last /8 (103/8).

Resources	Q1 2018	Q2 2018	Q3 2018	Q4 2018
Delegations from 103/8 (/24s)	1,475	1,356	1,779	1,599
Remaining 103/8	31.05%	28.96%	25.86%	23.40%

Table 4: Status of the last /8

Status of IPv4 recycled pool

Resources	Q1 2018	Q2 2018	Q3 2018	Q4 2018
Delegations from recycled space (/24s)	45	60	143	217
Remaining recycled pool (/24s)	12	48	129	55

Table 5: Status of IPv4 recycled pool

Waiting list for IPv4 recycled space

Unmet requests for recycled IPv4 addresses are currently kept on a 'waiting list'. Each week terminated address space is returned to the recycled pool (after one year in quarantine) and requests on the waiting list are fulfilled in order.

To date, there are 650 entries on the waiting list, for a total of 2,438 /24 IPv4 blocks (approx 9.5 /16s in total).

IPv4 transfers and returns

APNIC resource transfers result from mergers/acquisitions or market transactions. Market transfers may happen within the APNIC region, or to and from other RIRs (ARIN or RIPE NCC only).

Transfer type	#	Q1 2018 /24	#	Q2 2018 /24	#	Q3 2018 /24	#	Q4 2018 /24
M&A total	19	1,711	50	1,098	34	11,986	22	537
Market								
▪ Intra-RIR	54	1,774	54	2,516	23	4,041	56	2,761
▪ Inter-RIR	24	2,471	28	25,077	11	3,781	21	689
Market total	78	4,245	82	27,593	34	7,822	77	3,450

Table 6: IPv4 transfers

RPKI

Usage of RPKI services has increased during 2018, as follows:

RPKI usage	1 Jan 2018	31 Dec 2018
Members with RPKI certificates	13.0%	21.92%
Members with ROAs	7.4%	11.34%
IPv4 under ROAs	3.3%	6.07%
IPv6 under ROAs	0.9%	5.57%

Table 7: RPKI service usage

1.2 Registry operation and maintenance

- Switched to a cheaper GeoDNS provider for whois.apnic.net, which also supports more features and performs well globally.
- Encryption was strengthened with the addition of bcrypt to the whois server as a more up-to-date password hash algorithm. The deployment does not deprecate support for CRYPT-PW or MD5-PW at this time.
- Changes to the RDAP history server were made to significantly increase the current-state query performance.

- Reengineering of the registry to a pool service with event sourcing project is completed and deployed into production.
- Performed DNSSEC signer software upgrade for the two servers and performed RDNS KSK rollover for 2018.
- Deployed an additional five DNS anycast nodes for ns2.apnic.net for a total of 10 nodes. This is to prepare decommissioning of the unicast DNS servers for the APNIC Reverse DNS zones.
- Taken over management of 126.in-addr.arpa from Softbank and completed DNSSEC signing.

Projects

1.3 Whois accuracy support

This project will help Members maintain accurate contacts with new contact update tools in MyAPNIC, and annual reminders for contact reviews in MyAPNIC.

Status:

- The development and internal testing for this project was completed in late November.
- The service was deployed to production in early December.
- A decision to delay invitations to account holders until 2019 allowed Member Services staff to follow-up with accounts that have not yet created an OrgID object.
- All work to protect aut-num objects with the APNIC-HM maintainer was completed in 2018.

1.4 RPKI ‘anysign’ service

This service will use RPKI certificates to generate signed statements about resources, for cryptographic verification by other parties. Potential applications include Letters of Authority for routing of address space, authorization of IRR transactions, automated provision requests to ISPs, or signing transfer documents.

Status:

- APNIC submitted a request for an Object Identifier during IETF 103 in Bangkok.
- Proof of concept code is completed. Additional problem validation and use case analysis will be done in 2019.

1.5 Resource transfer process automation

This project removes manual steps from the resource transfer process, to improve efficiency and user experience. Specifically, the project will automate the IPv4 transfer listing and pre-approval service, outgoing inter-RIR transfer fee invoicing, and whois updates for resources transferred.

Status:

- A system to automate the whois updates required as the result of resource transfers completed internal testing in late December. Issues arising from that testing will be addressed before install and further testing in the production environment.
- The IPv4 transfer listing production and transfer pre-approval renewal processes are now fully automated.
- Automation of outgoing inter-RIR transfer fee invoicing was deferred.

2 Customer Service

2.1 Member Services/Helpdesk/Billing

SLA for service requests

The APNIC Services Area aims for a maximum two-working day turnaround to respond to external requests such as new Member applications, Member resource requests, IPv4 transfers, and membership and helpdesk support. The following chart shows the percentage of compliance with this SLA in 2018.

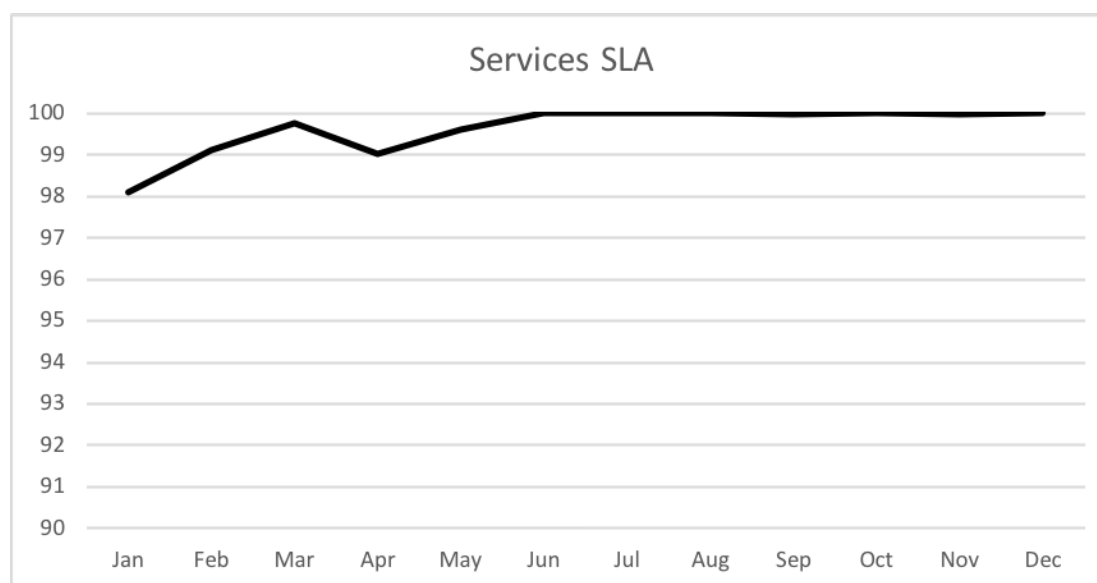


Figure 4: SLA compliance for requests

Services satisfaction ratings

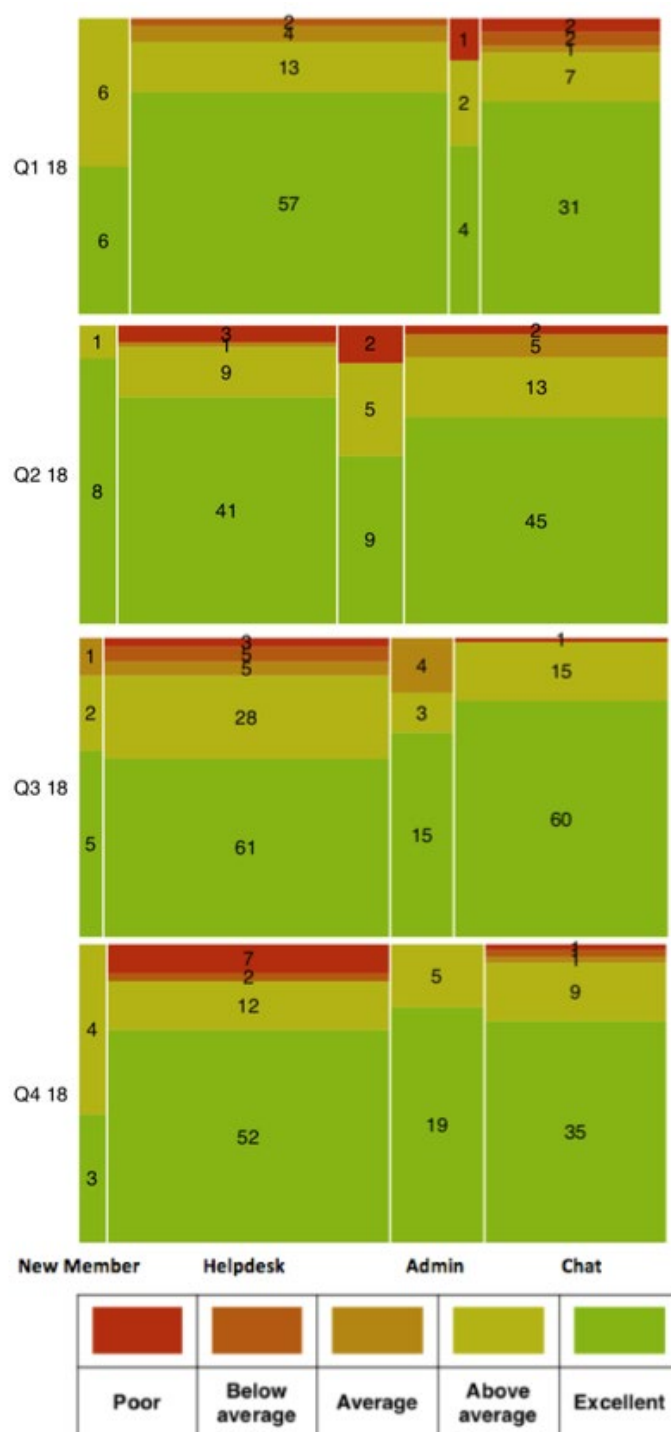


Figure 5: Satisfaction ratings

Services Area staff actively follow up on negative feedback received, to resolve outstanding issues and improve systems where possible.

Membership transactions

Transaction	Q1 2018	Q2 2018	Q3 2018	Q4 2018
New Members	199	212	212	201
Closed Members	39	59	50	78
Reactivated Members	4	3	1	5
Total Members	6,735	6,868	7,029	7,162

Table 8: Membership transactions

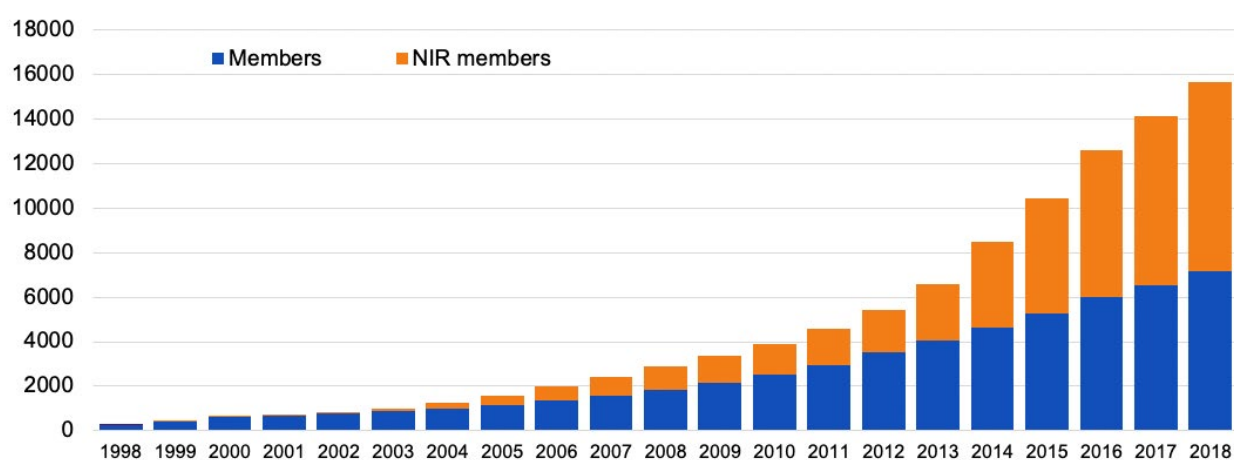


Figure 6: Membership growth

Membership industry type

APNIC Members are now classified according to industry type. We are working to extend this to members of NIRs.

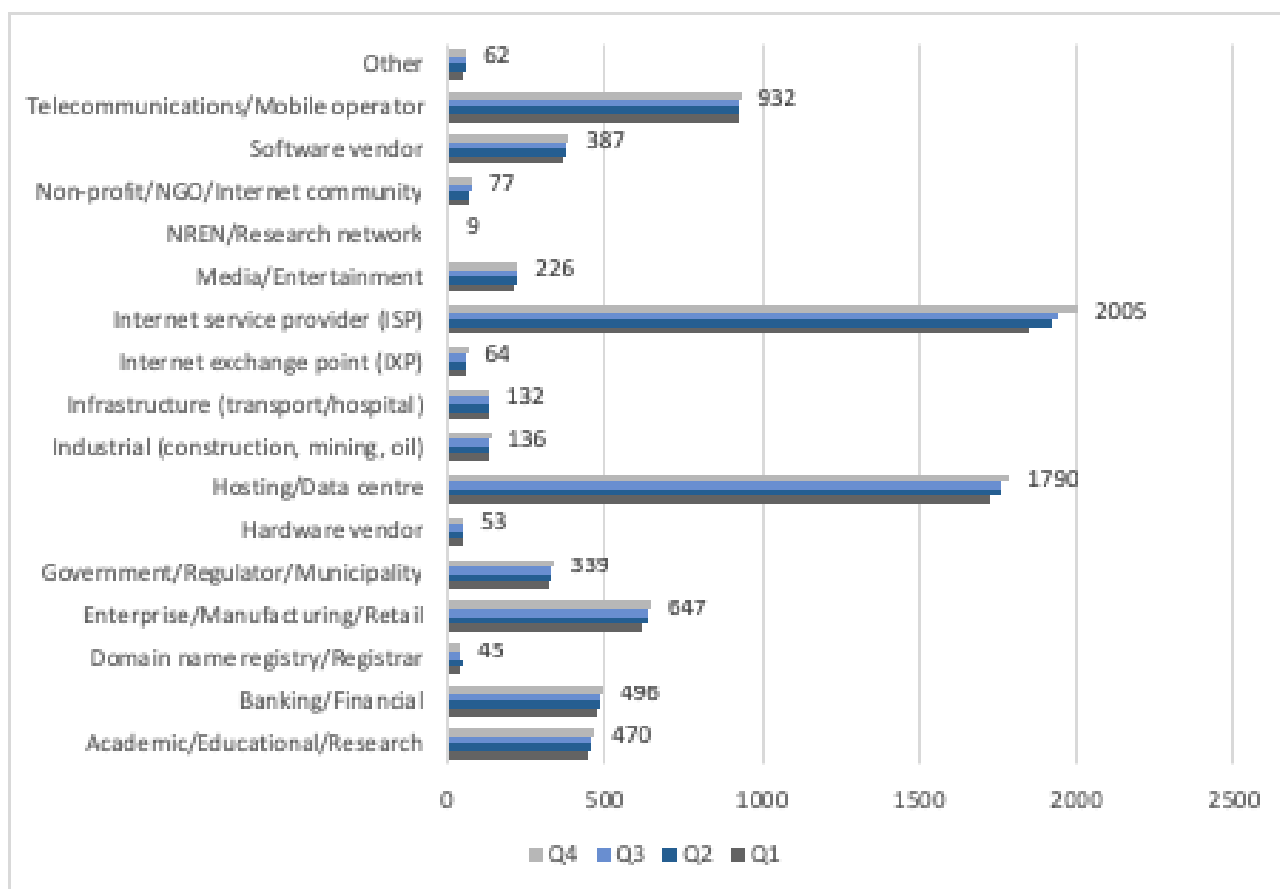


Figure 7: Member industry types

Fraud attempts

Instances of fraudulent applications and requests are summarized as follows.

Types of fraud	Q1 2018	Q2 2018	Q3 2018	Q4 2018
Identity theft	0	0	0	0
Fabricated documents	1	1	0	8
Fabricated needs	1	0	0	1
Total fraud attempts	2	1	0	9

Table 9: Fraud attempts

2.2 MyAPNIC development and maintenance

MyAPNIC development in 2018 focused on improving performance and usability.

- The MyAPNIC Product Team reviewed several proposed changes and improvements to MyAPNIC's resource management. These include MyAPNIC interface changes to improve performance, an ASN management feature, listing service automation, and whois and account contact updates.
- Several new features and automations were introduced and are reported elsewhere in this document.
- In 2018 APNIC made a series of code improvements that improved MyAPNIC response and page load times by 12%.

- The [MyAPNIC RPKI service now supports AS0 ROA creation](#). This conforms to section 4 of RFC 6483 (Disavowal of Routing Origination).

2.3 APNIC Blog

	Q1 2018	Q2 2018	Q3 2018	Q4 2018
Views	128,939	108,817	124,715	118,297
Posts	97	85	90	99

Table 10: APNIC Blog activity level

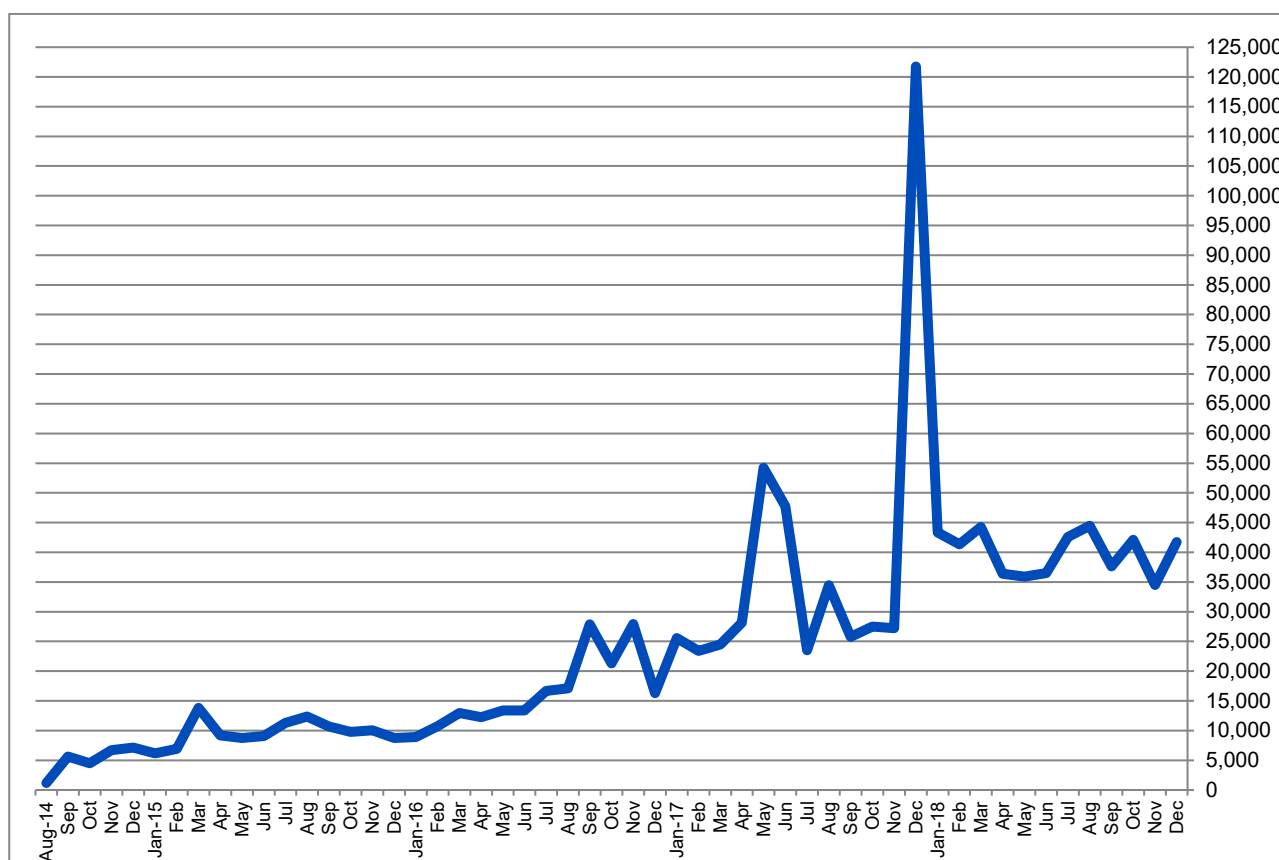


Figure 8: Monthly APNIC Blog views

APNIC Blog readership averaged 40,064 views per month in 2018, a 4% increase on 2017's monthly average of 38,643. The Blog reached a [milestone](#) in July 2018 by passing 1 million views since its creation in August 2014.

Popular posts in 2018 included:

- Arash Molavi Kakhki's Guest Post on QUIC and TCP performance measurement.
- Vasileios Kotronis' Guest Post on a new BGP anomaly detection system, ARTEMIS.
- A Guest Post from Jan R  th explaining research findings on the usage of QUIC.
- Geoff Huston's look at the QUIC 'spin bit' discussion at IETF 101.
- Paul Wilson's article on IPv4 exhaustion.
- A Guest Post from Tom Perrine about his gaming organization's IPv6 migration.

- LinkedIn's Russ White discussing whether we really need a new BGP in a Guest Post.
- Wouter de Vries' Guest Post on his research on 8.8.8.8 performance.
- A post detailing the development of the open source hardware LibreRouter.

There were 149 Guest Posts in 2018, representing 50% of total opinion posts (2017: 43%).

A Blog reader survey was conducted in February and March 2018 on future topics and reader habits. Eighty-seven readers completed the survey, with 62% responding that they read the blog at least once a week. The most popular topics for future posts were network security, case studies (IPv6 deployment, IXP or CERT creation), operational best practice, and IP addressing.

2.4 New membership outreach

APNIC provided information on membership at 26 regional events in 2018, including CommunicAsia (now part of ConneCTechAsia), Lao ICT Expo, APRICOT 2018, BankTech Asia Kuala Lumpur, APNIC 46, various NOGs, and the 2018 Philippine Cable Television Association (PCTA) Convention.

Information to raise awareness of the referral application process (to those Members who have previously made address sub-allocations) was developed and sent to contacts in Singapore and Malaysia, with follow-up meetings held with Members at MyNOG and SGNOC.

The total number of new Members that joined APNIC in 2018 was 824 (see 2.1).

2.5 Quality management

APNIC's quality management system had a successful surveillance audit at the end of July. The external auditor found that the system complied with ISO9001:2016 requirements.

Projects

2.6 Improving online experience

This project aims to integrate APNIC's online services to provide a uniform experience for users of APNIC's services.

- Single Sign-on (SSO) was deployed, allowing 'APNIC login' credentials to access the APNIC Academy, Internet Directory, and soon, MyAPNIC.
- An improved 'home page' for MyAPNIC users was deployed to my.apnic.net as a beta test site. Following a test period, the SSO implementation and new home page will be deployed to production.
- Over time, the MyAPNIC home page will be further developed to enable personalized and customized access to APNIC online services.

2.7 Service Partners

The new 'Service Partner' model is under trial, to improve outreach to new APNIC Members according to local needs.

Status:

- On 27 March 2018, NEPALREN in Kathmandu became the first Service Partner during this trial period.
- The APNIC EC approved two additional Services Partners at their meeting in APNIC 46. These are PCTA and MYNOG (Malaysia NOG). Once agreements are signed, there will be three Service Partners, including NEPALREN.
- During October, APNIC received its first Member referred through this initiative; the first payment for this referral was processed in October.

2.8 2018 APNIC Survey

The APNIC Survey is run every two years and the 2018 APNIC Survey is the tenth iteration. For the second time, the survey was conducted in 2018 by Survey Matters, a research agency specializing in research for member-based organizations.

Status:

- The Focus Groups were selected to consider locations previously visited, size of membership, and key relationships. These were held in 15 economies, with a combination of face-to-face and online meetings during January and February 2018 in:
 - Japan, including JPNIC
 - China, including CNNIC
 - Taiwan, including TWNIC
 - Australia
 - New Zealand
 - Pacific (Fiji and New Caledonia)
 - Malaysia
 - Philippines
 - Indonesia, including APJII
 - Timor-Leste
 - India, including IRINN
 - Pakistan
 - Bangladesh
 - Nepal
 - Afghanistan
- Findings from these Focus Group sessions were incorporated into the 2018 APNIC Survey form, which was reviewed by the EC before launch. The survey was open from 5 June to 2 July 2018.
- Following a comprehensive communication and survey distribution program, the survey received 1,264 responses, and after data cleansing, 1,241 responses remained. The sample size provides 95% confidence that the results are within +/-3% of presented figures. Ninety-seven percent of responses were from the Asia Pacific.

The final survey report was presented by Survey Matters at the APNIC 46 EC meeting in Nouméa, and then to the community later during the conference.

The EC response to the 2018 APNIC survey was published on 20 December 2018.

2.9 Customer Relationship Management (CRM)

APNIC is now using Salesforce as its CRM, to coordinate external engagements and improve contact management across the organization.

Status:

- Transferred the legacy Yammer groups to Salesforce's Chatter collaboration groups for recording notes and other information about events and touchpoints.
- Implemented Member data daily synchronization from the registry database to allow interactions with Members at various events to be captured and reported in Salesforce.

- Added custom reporting and dashboards for events and engagements, and tracking of 'Event Series' such as APRICOT, IETF, PacNOG and so forth.
- Currently integrating other systems including Pardot (email management), NetSuite (ERP), calendaring, and others.
- All External Relations processes and reporting tools have been implemented within Salesforce.

3 Infrastructure Services

3.1 APNIC infrastructure services

These activities include all the technical support required to deliver services to APNIC Members and the Secretariat.

- A new production Kubernetes cluster with support for continuous integration and deployment was built. This has helped the Software and Webops teams to test and deploy SSO for the various applications they are working on.
- Continued automation work around Kubernetes cluster creation, enabling us to spin up clusters in different environments.
- Deployed Google cloud infrastructure that is directly connected to the existing network infrastructure in Brisbane.
- Completed migration of APNIC managed RDNS zones from unicast to anycast servers. This includes migration to a new LACNIC secondary DNS server and removing 202, 203, 210, and 211 reverse zones from the Telstra DNS servers.
- Performed the annual DNSSEC key rollover of all APNIC managed RDNS zones.
- Deployed the CICD (Continuous Integration Continuous Deployment) platform for the Webops team to improve and speed up their workflows. This work will continue to include the software team.
- Continued migrating the remaining ccTLD zones from unicast to anycast secondary DNS servers.

Projects

3.2 Data integration

An analysis in Q2 provided the basis for improving APNIC's data model for membership, contacts, and resources. This will assist data integration across multiple systems including ARMS, MyAPNIC, Salesforce, Netsuite, and events management.

The external consultant delivered the interim report on APNIC's data dictionary and is working on recommendations to improve long-term management of information and systems.

Status:

- Repeatable production methods for key information for regular reporting needs, for example, Secretariat and Annual Reports.
- The analysis was successfully applied to system integration between ARMS and Salesforce.
- An APNIC data dictionary of all key concepts is under development.
- A roadmap for APNIC to improve information management processes is under development.
- Systems and data integration analysis using architecture tools and techniques is underway.
- Creation of architecture responsibility within the Secretariat to drive further work is underway.

3.3 Systems development

There was a range of improvements to systems in 2018 to ensure internal systems are managed efficiently and effectively. This included software updates and security patches on all APNIC servers, reviewing APNIC's disaster recovery system and ensuring we meet ISO 27001 standards.

Status:

- The office telephony system was migrated to a hosted solution in August 2018, reducing ongoing operational costs.
- Completed server configuration management system (Puppet) upgrade.
- Implemented package management system (Pulp) for security reporting and patching across all servers.
- Completed the HSM (Hardware Security Module) key migration for RPKI. An HSM key backup and recovery for the new HSM was created and tested.
- Work on disaster recovery to strengthen recovery arrangements included a backup archive server implementation, which holds a complete backup of APNIC archived data, in a separate data centre.
- Documentation of current internal security controls and procedures to the ISO 27001 standard is underway, along with developing a framework for an internal Incident Response Team.

3.4 Network consolidation and enhancements

APNIC's network services were consolidated and optimized to reduce costs and improve performance. This included utilizing private IPv4 address (RFC 1918) space in internal networks, completing firewall and intrusion prevention implementation, and investigating peering arrangements.

Status:

- 203.119.42.0/23 was returned to the APNIC recovered pool.
- All peer connections were relocated from core switches to edge switches.
- Implementation of the Cisco Firepower Firewall/IPS appliances is continuing using Active-Standby mode from testing to production.
- Initiated multilateral BGP peering with Megaport Brisbane IX and Megaport Sydney IX. Will also establish bilateral peering with various members, one by one.
- Initiated direct peering with Google Australia for testing service deployment in the cloud.
- APNIC connected with AARNet for additional transit connectivity plus more direct connectivity with the Research & Education community.
- APNIC also joined the eduroam Wi-Fi roaming community. Eduroam Wi-Fi access is available in the APNIC office and will be available in all future APNIC-organized events.

4 Member Training

4.1 Training services

- The 'Routing Basics' course was launched on the APNIC Academy in February 2018.
- A major upgrade of the APNIC Academy was launched before APNIC 46, providing many new features such as Virtual Labs and the support of third-party resources.
- A 'Policy Development Process (PDP)' course was launched on the APNIC Academy in November 2018.
- As at 31 December 2018, there were 1,537 active users enrolled on the Academy and 1,042 certificates were issued.

- The training team delivered the following face-to-face and eLearning sessions:

	Face-to-Face	eLearning
Courses	65	66
Locations	35 cities, 29 economies	
Participants	2,156	365
Training YouTube channel		62,527 views; 881 subscribers

Table 11: Training delivery

- There were important training activities in Oceania, including New Caledonia, Vanuatu, Guam, Samoa, Tuvalu, Solomon Islands, New Zealand and for the very first time, in Tokelau.
- Training activities in South East Asia included Laos PDR, Indonesia, Philippines, Myanmar, Singapore, Malaysia, Thailand, and Viet Nam.
- IXP and Routing workshops were held in Vanuatu, Myanmar, and Brunei.
- APNIC conducted two tutorials for the first time at APAN 45 in Singapore in March 2018 and at APAN 46 in Auckland, New Zealand in August 2018.
- In March, APNIC established a new team to manage and develop the training curriculum and content, led by the new Training Curriculum Manager, Peter Blee.
- In April, Tashi Phuntsho was appointed the Acting Training Delivery Manager.
- Following APNIC 46, the training team began assisting Tonga Cable remotely with their IPv6 test deployment, clarifying doubts and helping resolve issues faced. Based on the successful test for both enterprise and retail customers, Tonga Cable is now seeking management approval for network-wide deployment.

4.2 Technical assistance

During 2018 APNIC provided Technical Assistance (TA) in the following economies:

Economy	Assistance provided
Tokelau	IPv6 and Network Security
Mongolia (a Member)	Network architecture and design Network Security IXP support: setting up PoPs and connecting to regional hubs
Mongolia (a Member)	Automating route server filter configuration (RPSL tools) Re-architecting of the route server (BIRD) routing table (PIPE protocol) RPKI implementation Best practices in operating an IXP
New Caledonia (a Member)	IPv6 deployment
Timor-Leste	IXP setup discussion

Table 12: Technical Assistance summary

Regional Development

5 APNIC Conferences

5.1 APRICOT 2018

[APRICOT 2018](#) was held in Kathmandu, Nepal, from 19 to 28 February 2018, at The Yak and Yeti Hotel.

Conference statistics	
Total number of on-site delegates	752
Economies represented	64
APNIC Member organizations represented	247
Remote participants – Adobe Connect	71
Remote participants - YouTube	1,589 views; 12,998 minutes
#apricot2018 tweets	931

Table 13: APRICOT 2018 summary

APNIC held its first ‘Hackathon’ at APRICOT 2018 with 24 participants (6 female, 18 male), focused on identifying and resolving IPv6-related challenges.

APNIC supported several other events within APRICOT 2018, including an ICANN GAC Workshop, a FIRST TC, and APIX and AP* meetings.

5.2 APNIC 46

[APNIC 46](#) was held in Nouméa, New Caledonia, from 6 to 13 September 2018. The conference was held at Le Meridien Nouméa, with workshops at OPT's training centre, Le Lys Rouge.

Conference statistics	
Total number of on-site delegates	305
Economies represented	46
APNIC Member organizations represented	92
Remote participants — Adobe Connect	196
Remote participants — YouTube	2,022 views; 22,742 minutes
#apnic46 tweets	503

Table 14: APNIC 46 summary

Partners that held meetings at APNIC 46 included APIX, AP*, and FIRST.

Future conferences

- APNIC 47 will be held during APRICOT 2019 in Daejeon, South Korea, from 18 to 28 February 2019.
- APNIC 48 will be held in Chiang Mai, Thailand, from 5 to 12 September 2019.
- APRICOT 2020 will be held in Oceania, but the location is not yet announced.

6 Regional Technical Development

6.1 Policy development

APNIC 45

Four policy proposals were considered at the APNIC 45 Policy SIG.

Two proposals did not reach consensus and were returned to the mailing list for further discussion:

- [prop-123](#): Modify 103/8 IPv4 transfer policy
- [prop-120](#): Final /8 pool exhaustion plan

The author for the remaining two proposals was uncontactable and did not submit revised proposals:

- [prop-118](#): No need policy in APNIC region
- [prop-119](#): Temporary transfers

During the Policy SIG, consensus was reached to change the author of prop-118 and prop-119 to allow for revised proposals to be submitted.

There was also community discussion about remote participation for the SIG Chair/Co-Chair elections.

Policy SIG Co-Chair elections were held during APNIC 45, with Ching-Heng Ku and Bertrand Cherrier both re-elected as Co-Chairs for a two-year term.

APNIC 46

Four policy proposals were considered at the APNIC 46 Policy SIG.

[prop-125](#): Validation of “abuse-mailbox” and other IRT emails reached consensus at the Policy SIG and the AMM. The subsequent four-week comment period on the mailing list closed without any objections on 16 October 2018. The APNIC EC endorsed the proposal in December 2018.

Three proposals did not reach consensus at APNIC 46 and were returned to the mailing list:

- [prop-118](#): No need policy in APNIC region
- [prop-124](#): Clarification on IPv6 sub-assignments
- [prop-126](#): PDP Update

The following proposals were withdrawn by their authors before APNIC 46:

- [prop-123](#): Modify 103/8 IPv4 transfer policy
- [prop-120](#): Final /8 pool exhaustion plan
- [prop-119](#): Temporary transfers

NIR OPMs

Six NIR Open Policy Meetings were held in 2018: IRINN OPM, VNNIC OPM, IDNIC OPM (2 meetings) and TWNIC OPM (2 meetings). APNIC attended all these meetings.

6.2 Rootserver maintenance

USP F-root relocation

APNIC is in discussion with the University of South Pacific (USP) to replace and relocate the F-root instance from USP to the Fiji IXP, to benefit more networks in Fiji.

PNG-IXP F-root installation

APNIC provided support for installation of an F-root instance at the PNG-IXP:

- Supplied a pair of SFP+ transceiver modules (server and switch side).
- Assisted the IXP team to reconfigure the route server to accommodate ISC's requirements.
- The root server was finally commissioned (peering with the route server) in July 2018.

TPIX K-root installation

With the support of TWNIC, APNIC entered into an MoU with Taiwan's Chief Telecom for a TPIX K-root instance and has ordered the necessary equipment to establish this root server instance.

Bhutan IX K-root installation

The contract was finalized and signed. Equipment was ordered and installed.

6.3 Internet exchanges and measurement support

The following table summarizes APNIC's IXP support work during 2018:

Location	Type of support
Vanuatu	Two and a half-day workshop (Feb 2018) in collaboration with OGCIO; half-day session on IXP benefits and best practices
Myanmar	Three-day workshop (March 2018) in collaboration with MM-IX to discuss IXP best practices at traffic engineering
PNG IXP	F-root installation and route leak support
Fiji IXP	Port security issues with USP connecting to the IXP
BKNIX	Sponsored the BKNIX Peering Forum in May 2018
IXP in Mongolia	Provided details on how to automate route server filters
Brunei	Conducted a three-day workshop in October 2018 in collaboration with APT and AITI for establishing an IXP in Brunei
Timor-Leste	Conducted a three-day workshop and half-day meeting in Nov 2018 in collaboration with ANC for establishing an IXP in Timor-Leste
IXP-DB and PeeringDB	Sponsored IXP-DB system development and PeeringDB service
APIX and Peering Asia	Sponsored and supported the APIX meetings at APNIC 45 and 46, and sponsored Peering Asia 2.0
IXP Manager	Sponsored IXP Manager software development specifically on RPKI support

Table 15: IXP support

6.4 Network Operator Group support

APNIC participated in 27 NOGs during 2018 (21 of them in the Asia Pacific), and sponsored 15, as follows.

NOG	Region	Date	Sponsored
NZNOG 2018	APNIC	Jan	
JANOG 41, 42	APNIC	Jan, Jul	✓
HKNOG 6.0	APNIC	Mar	✓
PhNOG 2018	APNIC	Mar, Jul	✓
CaribNOG 15	ARIN	Apr	
bdNOG 8	APNIC	May	✓
ThaiNOG 2018	APNIC	May	✓
btNOG 5	APNIC	Jun	✓
iNOG 10	RIPE	Jun	
TWNOG	APNIC	Jun	
PacNOG 22	APNIC	Jun	
SGNOG 6	APNIC	Jul	✓
MyNOG 7	APNIC	Jul	✓
IDNOG 5	APNIC	Jul	✓
SANOG 32	APNIC	Aug	✓
VNIX-NOG 2018	APNIC	Aug	✓
INNOG 2018	APNIC	Aug	✓
AusNOG 2018	APNIC	Aug	
HKNOG 6.1	APNIC	Sep	✓
LACNOG 2018	LACNIC	Sep	
NANOG 74	ARIN	Sep	
LKNOG 2	APNIC	Nov	✓
TWNOG	APNIC	Nov	
npNOG 4	APNIC	Dec	✓
PacNOG 23	APNIC	Dec	

Table 16: NOG support and sponsorship

6.5 Security support

- New Security section on the APNIC website deployed in January 2018.

- APNIC supported the APCERT steering committee and hosted a FIRST Technical Colloquium (TC) Kathmandu during APRICOT 2018.
- In March, APNIC spoke at the FIRST TC in Osaka, and conducted LEA training in Hong Kong and Taiwan.
- In April, APNIC provided an instructor for the Annual CSIRT Training (APISC 2018), organized by KISA in Seoul. APNIC also conducted a three-day security workshop with PITA in Guam.
- In June, APNIC helped Papua New Guinea organize a workshop for the APEC TEL SPSG; conducted LEA training in Fiji for participants from Pacific economies; participated in the FIRST Conference in Malaysia; and assisted the ITU with a two-day security workshop in Tonga.
- In July, APNIC conducted a Security workshop for MYREN members in Kuala Lumpur, to cover 'Practical Incident Response and Community Honeynet'.
- APNIC presented at the 'Asia Regional G7 24/7 High Tech Crime Network Point of Contact Workshop on Whois' in July. This was the first collaboration with the G7 High Tech Crimes network and a good opportunity to meet LEAs from ASEAN.
- APNIC presented in cybersecurity conferences organized by national CERTs in the region: TWCERT/CC Conference in Taipei, Mongolia CERT in Ulaanbaatar; and IDSIRTII's FIRST TC Bali.
- APNIC hosted a FIRST Technical Colloquium (TC) at APNIC 46. This event was also supported by APCERT.
- In September, APNIC participated at APEC TEL 58 in Taipei and was invited to present in the Social Media Security workshop organized by Thailand.
- In October, APNIC participated and presented at the APCERT Annual Conference and AGM in Shanghai. This event was also held with the FIRST Asia Pacific Regional Symposia. APNIC was also invited to present at the 'Hong Kong Police Force Cyber Security Consortium' in October.
- In November, APNIC conducted a five-day security workshop and incident handling exercise in Bhutan with BtCIRT and APT. APNIC also conducted LEA training in the Solomon Islands for participants from Pacific economies. APNIC was invited as a subject-matter expert for the UN ICT meeting on Counter Terrorism in Kuala Lumpur, Malaysia.
- APNIC provided sponsorship to the following security events:
 - Vietnam Security Bootcamp 2018 in Sep 2018
 - MNSEC 2018 in Mongolia in Oct 2018
 - Sri Lanka CERT CC in Nov 2018

Projects

6.6 CERT development

APNIC provided support for the development of security incident response capabilities in the Asia Pacific region with advice, technical training, and facilitating multistakeholder engagement.

Status:

- In January, APNIC attended the launch of PNG CERT in Port Moresby. APNIC also delivered a two-day technical workshop as part of the launch.
- In March, APNIC assisted GEANT to conduct TRANSITS-I (CERT/CSIRT Development) training at APAN 45 held in Singapore with funding from Asi@Connect/TEIN. This was the second time APNIC collaborated with GEANT and Asi@Connect on TRANSITS training.
- In April, a two-day CERT engagement session was organized in Samoa.

- In May, the APNIC Pacific CERT Workshop was conducted in Tonga with participants from multiple Pacific economies, to support CERT development in the Pacific.
- In June, APNIC presented an Introduction to CERTs session for the Workshop on Network Security organized by the Lanka Education and Research Network (LEARN).
- In August, APNIC assisted GEANT to conduct TRANSITS-I (CERT/CSIRT Development) training at APAN 46 in Auckland.
- At APNIC 46, the second Regional Pacific CERT Workshop was conducted in Noumea, New Caledonia. The participants also attended the Nouméa 2018 FIRST TC and the APNIC 46 conference.
- In September, APNIC provided the following support for the PNG CERT in Port Moresby:
 - Review of CERT activities, plans and resources
 - Setting up backend systems for handling incidents
 - Analysis of common types of security incidents
 - Discussions (meetings) with PNG CERT stakeholders
- In October, APNIC helped coordinate a security and system administration workshop for Tonga CERT. The workshop was conducted and supported by the FreeBSD Foundation.
- In November, APNIC conducted an incident handling training and exercise as part of the larger five-day security workshop in Bhutan with BtCIRT and APT.
- In December, APNIC conducted a security workshop for the Solomon Islands government data centre staff as part of their Security Operations Centre project. APNIC staff also delivered a seminar and desktop exercise for government agencies.

6.7 Integrated information services

After Member Survey feedback (2016) APNIC began testing options for gathering and providing aggregated operational and technical data from APNIC and the APNIC community.

Status:

- A Product Manager, Sofia Silva Berenguer, was assigned to the Information Services product family.
- The Data Gathering and Analysis BoF took place during APRICOT 2018 in Nepal, including the following presentations:
 - Creating better local Internet maps in the Asia Pacific region (BGP Data Collection project; Sofia Silva Berenguer, APNIC)
 - Isolario Project: tools and activities (Alessandro Improta, IIT CNR)
 - Data Collections & Benchmarking (Bijal Sanghani, Euro IX)
- The Data Gathering and Analysis BoF was held at APNIC 46:
 - Sofia Silva Berenguer (APNIC) presented an update on the Information Services products.
 - Philip Branch (Swinburne University of Technology) presented on 'Rapid detection of BGP anomalies' (which received an ISIF Asia grant).
 - Christian Teuschel (RIPE NCC) presented on RIPEstat and possible collaboration to help network operators in the APNIC community.
- Internet Directory
 - Work was done on the reimplementing of the Internet Directory (at <https://stats.apnic.net>), which launched in September.
 - At APNIC 46, APNIC recruited participants for user testing activities.

- A new release was launched at the end of Nov. Apart from bug fixes, this new release includes three main new features: the comparison mode, embedded VizAS diagrams, and web components (widgets). Work is continuing on new releases of the Internet Directory incorporating new features.
- Routing Information product:
 - Problem validation was done during APNIC 46 with selected community members, with a change of focus to communication issues network operators experience when trying to solve routing issues.
 - Work with Isolario has been parked as its focus is not on BGP data collection anymore.
 - Options for deployment of a RIS collector at APNIC are being considered.
 - User research activities are planned during APRICOT 2019 for the second round of problem validation of this product, to try to understand better the communication issues identified during the first round.
- Network Security product:
 - Dean Pemberton (external consultant) and APNIC staff, Adli Wahid and Jamie Gillespie assisted with problem validation.
 - Work was done on processing honeynet data to identify holders of IP addresses originating malicious traffic. This data was used in mockups for solution validation during APNIC 46.
 - Good feedback was received during APNIC 46 (both during user testing sessions and during the Data Gathering BoF).
 - Good progress was made in the development of an MVP; it's expected to be ready for user testing activities during APRICOT 2019.
 - A name selection process (implementation of the collaborative decision-making process) was run resulting in the name DASH (Dashboard for Autonomous System Health).
- RIPEstat
 - Collaboration with the RIPE NCC on RIPEstat was approved. Work on a prototype has started. User testing activities are being planned.

7 Community Engagement

7.1 Community sponsorship

In addition to NOGs (see 6.4), APNIC supported these community events in 2018:

- NPSIG 2018, Nepal
- APriGF 2018 and PacIGF 2018, Vanuatu
- APIGA 2018, South Korea
- INSIG 2018, India
- PKSIG 2018, Pakistan
- APT Connectivity Workshop at APT PRFP-11, Western Samoa
- AINTEC 2018, Thailand
- NetHui 2018, New Zealand
- NPIGF 2018, Nepal
- BDSIG 2018, Bangladesh
- Internet Week 2018, Japan

APNIC is a sponsor of the Schools of Internet Governance (SIGs) through [APASA](#), a collaboration between APNIC, ICANN, DotAsia, and the Internet Society.

APNIC was a financial member of APT, ITU, PTC and ISOC in 2018.

7.2 Fellowships

The Fellowship committee for APNIC 46 was recruited in April and Fellowship applications closed in June 2018 with 442 applications received from 29 economies.

A total of 68 Fellowships were offered. After acceptances, 62 Fellows from 17 economies attended APNIC 46, including 24 females. The majority of Fellows (51) were from Pacific Island economies.

	Professional	Youth	Returning
Male	33	2	3
Female	17	2	5

Table 17: APNIC 46 Fellows

This was the largest fellowship group ever assembled for an APNIC conference. Sponsorship provided by OPT-NC and the APNIC Foundation allowed APNIC to expand the program for APNIC 46 to help benefit the Pacific.

Four fellows presented at APNIC 46, and a [summary of the fellowship experience](#) was written for the APNIC Blog.

7.3 Government and sub-regional liaison

APT

- Participated in APT preparatory events for the ITU Plenipotentiary (PP) Conference, in Hanoi, Melbourne, and Kuala Lumpur.
- Co-hosted a successful social event with ISOC for delegates in Melbourne.
- Collaboration grew in 2018, with three partnerships with APT members for IPv6 training in Sri Lanka and Bhutan and an IXP training in Brunei.

ITU

- Annual IPv6 workshop with the ITU, in collaboration with the Thailand government and the TOT Academy, 14 to 18 May 2018.
- Partnered with the ITU in two direct IPv6 country assistance engagements, in Brunei and Mongolia.

APEC TEL

- Participated at the APEC TEL 57 meeting in Port Moresby, Papua New Guinea, and presented on IoT security and IPv6.
- Participated at the APEC TEL 58 meeting in Taipei, Taiwan, and presented a five-year trend on IPv6 statistics in the region.

7.4 Community outreach

APNIC staff have attended and shared information about APNIC's activities at 54 community events during 2018. APNIC Member Gatherings were held in Ulaanbaatar and Dhaka, attended by 37 Member representatives.

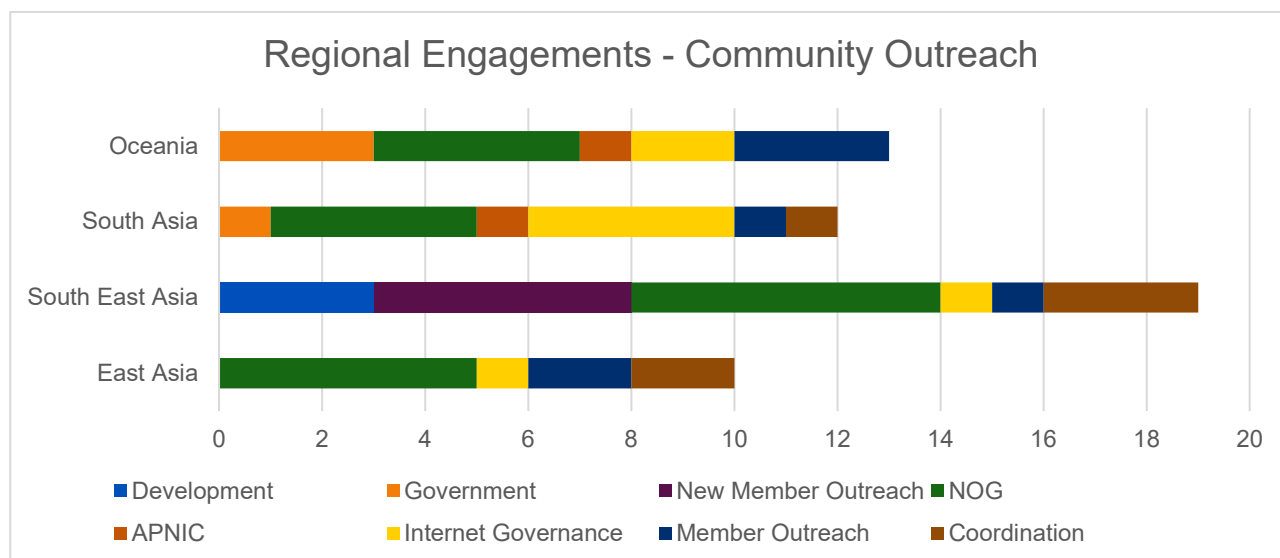


Figure 9: Community Outreach engagements

APNIC authors published 222 posts on the APNIC Blog during the year (see 2.3 for more details), with community engagement via APNIC's social media detailed below.

	Q1 2018	Q2 2018	Q3 2018	Q4 2018
Facebook				
Reach	139,688	78,839	186,727	2,997,013
Likes	26,782	27,024	27,414	27,869
Twitter				
Followers	8,491	8,942	9,229	9,525
Engagements	2,711	3,337	3,302	2,738
YouTube				
Views	12,252	6,955	10,428	6,482
Minutes	82,037	39,129	67,004	42,313
Slideshare				
Views	32,707	30,172	38,503	36,560
LinkedIn				
Reach	29,321	11,943	27,807	24,066
Followers	2,865	3,009	3,158	3,320

Table 18: APNIC Social Media activity

Cooperation SIG

- The theme at APNIC 45 was 'Whois accuracy: Present status and its challenges' and featured presentations from APNIC, RIPE NCC, ICANN GAC's Public Safety Working Group (PSWG), Nepal Police, and Hurricane Electric.
- There was an election for the Cooperation SIG Co-Chair, with Bikram Shrestha elected as the SIG Co-Chair for a two-year term.
- The theme of the SIG at APNIC 46 was 'Whois: Challenges of data protection and privacy', featuring contributions from representatives of ICANN, APNIC, the Chinese government, and the banking and security communities.

NIR SIG

- At the APNIC 45 NIR SIG session, CNNIC, VNNIC, TWNIC, IDNIC, IRINN and JPNIC provided update presentations. At APNIC 46, presentations were made by KRNIC, CNNIC, VNNIC, TWNIC, IDNIC and JPNIC.
- The term of NIR SIG Chair, Shyam Nair, ended at APNIC 46. Co-Chair Zhen Yu assumed the role of Acting Chair until APNIC 47 when another election will be held.

7.5 Internet governance

Regional and local IGFs

- Supported the APriGF in Vanuatu in August 2018, with sponsorship (for fellowships primarily), workshop proposals, and attendance. APNIC partnered with other organizations to submit four workshop proposals.
- Sylvia Cadena serves as Co-Chair of the APriGF MSG.
- Participated in a planning meeting for a new Australian Internet Community Forum in Canberra.

Schools and Academies

- Attended the first School of Internet Governance in Nepal (NPSIG), and presented the IPGO card game, an educational tool to explain IP addressing and network fundamentals.
- Participated in the third Asia Pacific Internet Governance Academy (APIGA), co-organized by KISA and ICANN, in Gwangju, South Korea, and presented an improved IPGO card game.
- Presented the IPGO card game during the India School on Internet Governance (INSIG 2018) in New Delhi.

Global Internet governance related activities

- Supported the APNIC Foundation to participate in the ITU's annual WSIS Forum, where ISIF Asia was awarded a WSIS Champions prize (see 8.2).
- Sylvia served her second year as member of the IGF MAG, attending the second MAG meeting in July in Geneva.
- IGF 2018 was held in Paris, France, from 12 to 14 Nov 2018. APNIC staff:
 - Supported the organization of the [Main Session](#) about Technical and Operational Topics, which focused on the subject of content blocking and filtering.
 - Spoke about the Wuzhen Conference [experience](#) in a workshop organized by the Cyberspace Administration of China.
 - Co-organized a workshop about CERT's access to the whois information.
 - Spoke at a [workshop](#) about the role of the regulators in promoting the development of IPv6.
 - Co-organized a [workshop](#) about the Internet governance implications of traffic consolidation.

Projects

7.6 Research & Education community outreach

In 2018 APNIC is working to build closer relations with the regional Research & Education (R&E) community.

- APAN 45, Singapore, March 2018:
 - APNIC sponsored APAN 45 and conducted a poster session to explain APNIC membership.

- APNIC conducted two one-day tutorials (SDN & Network/Internet Security) at APAN 45, the first training sessions APNIC conducted directly at an APAN meeting.
- We assisted GEANT to conduct TRANSITS-I (CERT/CSIRT Development) training at APAN 45 with funding from Asi@Connect/TEIN.
- APAN 46, New Zealand, August 2018:
 - APNIC provided sponsorship for APAN 46 and helped to recruit APAN fellows from the Pacific.
 - The training team conducted two one-day tutorials (DNS/DNSSEC and Network Security).
 - APNIC again assisted GEANT to conduct TRANSITS-I (CERT/CSIRT Development) training with funding support from Asi@Connect. This was the third time APNIC collaborated with GEANT.
- In July, APNIC conducted a Security Workshop for MYREN members in Kuala Lumpur, Malaysia, to cover 'Practical Incident Response and Community Honeynet'.
- APNIC has connected to AARNet for better connectivity to R&E networks, eduroam and other services.
- APNIC has been talking to the Australian Access Federation (AAF) about joining, and through them, joining eduGAIN to tap into their large R&E user base for the APNIC Academy.
- APNIC is preparing to renew the MoU with TEIN*CC for closer collaboration.
- With support from the APNIC Foundation and the KDDI Foundation, APNIC held an Advanced Security workshop with UCSY/mmREN in September and held an Intermediate Information Security workshop in December 2018 in Yangon.

7.7 Increasing participation

APNIC worked to build Member participation in APNIC community processes, with a focus on the Policy Development Process (PDP) in 2018.

Activities included:

- Facebook Live webinars on policies to be discussed before the APNIC 45 Policy SIG session (attracting 353 views) and APNIC 46 Policy SIG session (573 views).
- Two blog post previews of the APNIC 45 and APNIC 46 Policy SIG sessions.
- A summary of the policies for discussion at APNIC 45 and APNIC 46, translated into seven languages (Chinese – Simplified and Traditional, Japanese, Hindi, Bahasa Indonesian, Thai, and Vietnamese); and a translated summary of the Policy SIG outcomes.
- Online promotion to APNIC 45 and 46 delegates to encourage attendance at the Policy SIGs.
- APNIC held a session at NPSIG 2018 to encourage engagement in APNIC activities including the PDP and Policy SIG at APNIC 45, as part of a pilot project which began in 2017. One third of the people contacted during the pilot project attended the conference.
- A policy engagement presentation was given at PacNOG 22, SANOG 32, VNIX-NOG 2018, NPNOG 4 and during the APNIC 46 Newcomers' session. Additional policy information presentations were delivered at the TWNIC OPM and IRINN OPM.
- An APNIC Academy course on the PDP was completed and launched. A beta version of the course was taken by APNIC 46 Fellows before the conference.
- An email invitation was sent to all APNIC Members to join the APNIC 46 Policy SIG meeting at the conference or remotely.
- A mock Policy SIG was held during the Newcomers' session at APNIC 46 to introduce the concepts of the SIG to first-time conference attendees.
- A series of six blog posts, looking back at policies that have made a significant impact, were published in October and November.

8 APNIC Foundation

8.1 Governance and administration

Board

The Board adopted its first Mission statement: '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'; and Vision statement: 'To have a global, open, stable and secure Internet that is affordable and accessible to the entire Asia Pacific community'.

The Foundation's first Annual General Meeting (AGM) and Board meeting was held in Hong Kong on 17 May 2018. Resolutions approved audited financial statements; adopted a range of fraud, personnel and WHS policies; and elected Sylvia Sumarlin from Indonesia as the Chair.

Due diligence was completed on three new candidates for consideration by the EC at their meeting in Bhutan. Two new Board members have been confirmed for appointment: Mr. Danish Lakhani from Pakistan and Mr. Michael Malone from Australia (bringing the total to five, with two positions still vacant). The Hong Kong regulatory processes were finalized for their appointment to the Board. This completes their appointment processes ahead of the next full board meeting in the first half of 2019.

8.2 ISIF Asia

WSIS Champion

ISIF Asia was one of four projects recognized as a Champion in the annual WSIS Prize contest (International and Regional Cooperation category). Sylvia travelled to the WSIS Forum to participate in the Champions ceremony in March 2018.

Grants and awards

The four grants allocated in 2017 are being implemented, and their final reports are being processed for publishing on the ISIF Asia website.

For its 2018 Grants and Awards, ISIF Asia received 236 nominations in four funding categories (Network Operations Research; Cybersecurity; Community Networks; and Gender Empowerment and Innovation), from 28 economies across the region, including 122 for the new Gender category, funded by the IDRC. Four separate Selection Committees were established, including 16 subject-matter experts from the community. Funding for this round was provided by the IDRC, ISOC, and APNIC.

USD 210,000 was allocated to 10 projects (8 grants and 2 awards) across 4 funding categories, with the awards ceremony held during IGF 2018 in Paris. The two award winners were invited to the IGF and the Paris Peace Forum and actively participated as speakers in several sessions. The program also maintained a booth at the IGF Village and co-organized a workshop around Community Networks.

8.3 Foundation activities

Projects

Following the establishment of Tonga CERT in 2016, the CERT project for the Pacific supported two new CERTs during 2018: the PNG CERT in January and Vanuatu CERT in June 2018.

- The second portion of funding (AUD 100,000 for 2018-19) was confirmed.
- A first regional CERT workshop was held in Tonga in May with technical officers from the Cook Islands, Fiji, Papua New Guinea, Samoa, the Solomon Islands, Tonga, and Vanuatu.
- The second regional CERT workshop was held at APNIC 46 in Noumea, with sponsored delegates from seven Pacific economies.

- The project 'Enhancing National Cybersecurity and Network Quality of Service in Advance of Papua New Guinea's Hosting of APEC' completed 13 engagements, including 2 technical assistance activities, 10 technical training workshops and one community consultation. These capacity-building efforts provided training on routing, network and information security, and the DNS. It also provided support for the PNG CERT and PNG IXP communities.
- The project also sponsored five members of the PNG technical community to attend APNIC 46 for training and conference participation.

Funding approved and fundraising

- The Foundation achieved over AUD 1 million in funding in its first 18 months of operation, from donors including the Asia Foundation, ISOC and the governments of Australia, New Zealand and Canada.
- Funding for the project entitled 'Enhancing National Cybersecurity and Network Quality of Service in Advance of Papua New Guinea's Hosting of APEC' of AUD 558,000 was changed from AUD to USD. The total amount received by the APNIC Foundation is USD 343,354.35 to cover three activity streams, as listed below. The project funds come via the San Francisco-based Asia Foundation with support from the New Zealand and Australian governments.
 - Technical training workshops (approx. USD 274,354.35).
 - CERT training and development (approx. USD 33,925.00).
 - IXP training and support (approx. USD 35,075.00).
- Approved AUD 108,000 in funding for a new project 'Combating Cybercrime 'Safe havens': Building a well informed and trained cyber law enforcement community in the Pacific'.
- Approved AUD 75,000 in funding for PNG CERT to support the development of the CERT in terms of hardware, software, and training.
- Several proposals have been drafted and are under discussion with potential partners: SWITCH: Fostering women's leadership in the Internet industry in the Mekong region; Community Networks deployment in PNG; a PhD/Master's scholarship program; IG in the Pacific; and a connectivity fund.

Community engagement

Duncan Macintosh and Sylvia Cadena participated at the following events during 2018:

Where	Date	Activity	Staff Member
JANOG	Jan	Participation	Duncan
MoC, Japan	Jan	Meeting	Duncan
KDDI Foundation	Jan	Meetings	Duncan
JICA	Jan	Meetings	Duncan
APRICOT 2018	Feb	Participation (10th anniversary of ISIF Asia)	Duncan, Sylvia
Kadoorie Foundation	Feb	Meeting	Duncan
Asia Society	Feb	Meeting	Duncan
Australian Aid Conference	Feb	Participation	Duncan, Sylvia
DFAT	Feb	Meeting	Duncan, Sylvia
APrIGF prep	Feb	Site visit	Sylvia
Advisory Council meeting of the Partnership for Online Platforms and Sustainable Development (POPS)	Mar	Meeting	Duncan
WSIS Forum	Mar	MAG meeting, ISIF Asia WSIS Award	Sylvia
Australian Members of Asian Venture Philanthropy Network (AVPN)	Apr	Presentation on ISIF Asia experiences for health innovations	Sylvia
Digital ASEAN organized by the World Economic Forum	Apr	Workshop	Duncan
Foundation AGM	May	AGM, Board and strategy meetings	Duncan, Sylvia
Asian Development Bank	May	Meeting	Duncan
AVPN	June	Meeting Participation at the Annual Meeting	Sylvia, Duncan
Foundation meeting	June	Meeting	Duncan, Sylvia
PNG IXP, PNG CERT, and PNG training	June	Project meeting to discuss events	Duncan
PNG Visit	July	Community engagement	Duncan
IGF 2nd Open Consultation and MAG Meeting	July	Meeting	Sylvia
APrIGF 2018	Aug	Meeting	Sylvia
2nd session of Asia Pacific Information Superhighway Steering Committee	Aug	Meeting	Duncan
APNIC 46	Sep	Meeting	Sylvia
ADB Digital Forum	Sep	Meeting	Duncan

Where	Date	Activity	Staff Member
Beijing	Sep	Meeting	Duncan
IDRC event	Sep	Meeting	Sylvia
New York and Washington	Sep	Meetings	Sylvia
SOCAP	Oct	Conference	Duncan
Washington	Oct	Meeting	Duncan
Jakarta, Singapore, Bangkok, Mumbai	Dec	Meetings	Duncan
POPs Advisory Council	Dec	Meeting	Duncan

Table 19: APNIC Foundation engagement summary

Global Cooperation

9 Global Technical Community

9.1 RIR collaboration

APNIC served as Chair of the NRO EC in 2018, and chaired the Engineering, Registration Services and Communications Coordination Groups (ECG, RSCG, CCG).

During the first cycle of RIR meetings, Paul Wilson participated in three RIR meetings: ARIN, LACNIC and AFRINIC. He presented the APNIC and NRO update reports. The APNIC EC and APNIC staff participated in ARIN 42, LACNIC 29, RIPE 76 and AFRINIC 28. At RIPE 76, Geoff Huston presented on IPv6, Measuring ATR, and TCP and BBR, and Sofia Silva Berenguer engaged with the NREN community. At LACNIC 29, Sofia presented on APNIC's products.

The major topic of consideration for the NRO in 2018 was the ASO Review, and all RIRs held community consultation sessions during the first half of the year.

Before APNIC's consultation in February during APNIC 45, APNIC held a webinar to provide information about the ASO review process. Two blog posts ([ASO Review discussions gaining momentum at APNIC 45](#); [ASO Review: Moving forward](#)) were published on the ASO Review. Another consultation session was held during APNIC 46, followed by an online survey. The APNIC community was very clear that the ASO should continue to appoint ICANN Board members and be a decisional player in ICANN's empowered community.

During the second cycle of RIR meetings, Paul Wilson participated at RIPE 77. APNIC EC members and APNIC staff participated at ARIN 43, LACNIC 30, RIPE 77, and AFRINIC 29.

9.2 Collaboration with I* organizations

ICANN 61 was held in San Juan, Puerto Rico. Paul Wilson spoke on behalf of the NRO during the Opening Ceremony, which had more than 1,000 attendees. There were many engagements with governments and members of the ICANN community. Initial discussions about the ASO Review process were held with ICANN staff and its board. The NRO EC had a face-to-face meeting during this time.

IETF 101 was held in London in March 2018. APNIC gave presentations on IPv6 and measuring ATR.

ICANN 62 was held in Panama City and the most important topic for discussion was whois and data privacy. Paul Wilson [wrote a blogpost](#) on this subject and there were discussions at the APriGF, APNIC 46, and IGF 2018.

During ICANN 62, the CEOs of the five RIRs met with the Chairman and CEO of ICANN to discuss their ongoing relationship via the ASO, and future collaboration.

ICANN 63 was held in Barcelona, Spain. Progress on the ASO Review was reported at a meeting between the ASO and the ICANN Board. After the ICANN meeting there was a meeting of the leaders of the I* organizations, including the new ISOC CEO.

9.3 Other forums

Engagement coordination

APNIC staff participated in 186 events in 2018. Within those events, there were 234 engagements, according to the objectives of participation and representation.

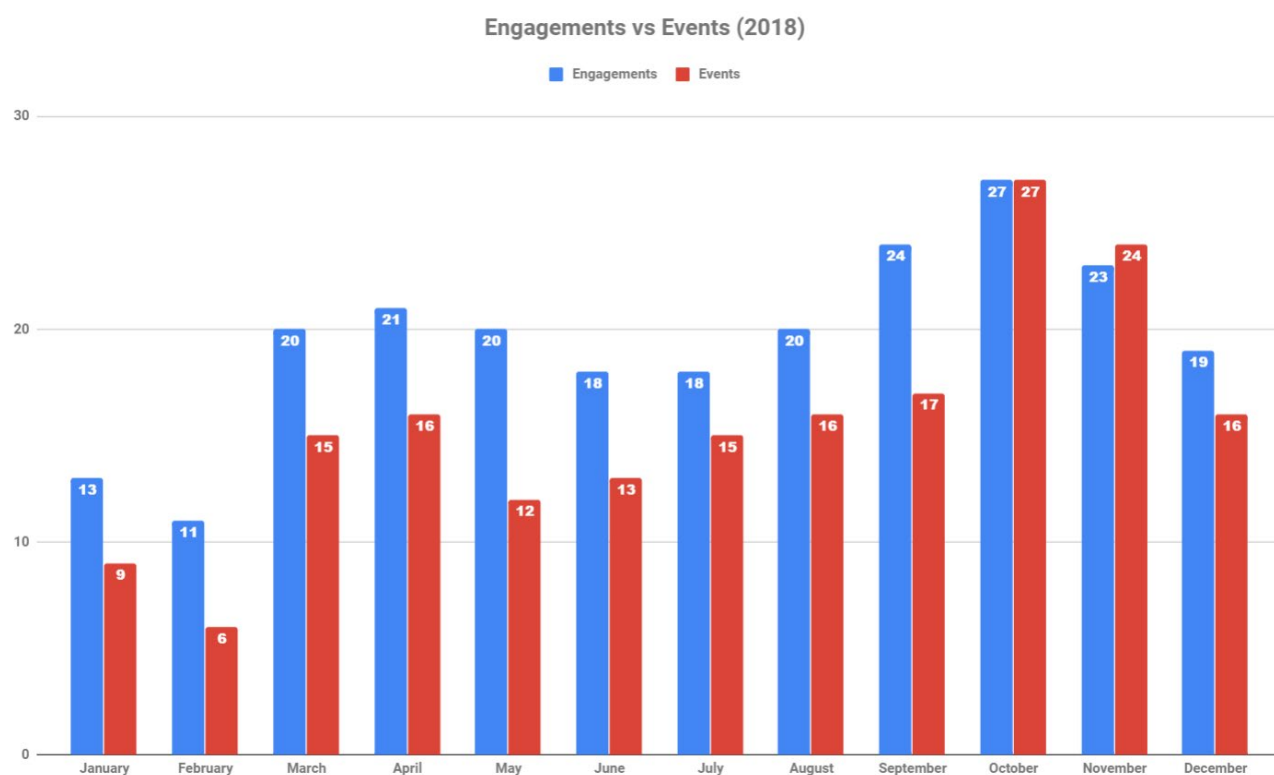


Figure 10: Events and engagements per month

- There was a total of 234 engagements in 2018, 5% more than in 2017.

Subregion	2016	2017	2018
S Asia	35	40	23
SE Asia	58	72	70
E Asia	23	38	46
Oceania	39	37	62
Global	34	36	33
Total	189	223	234

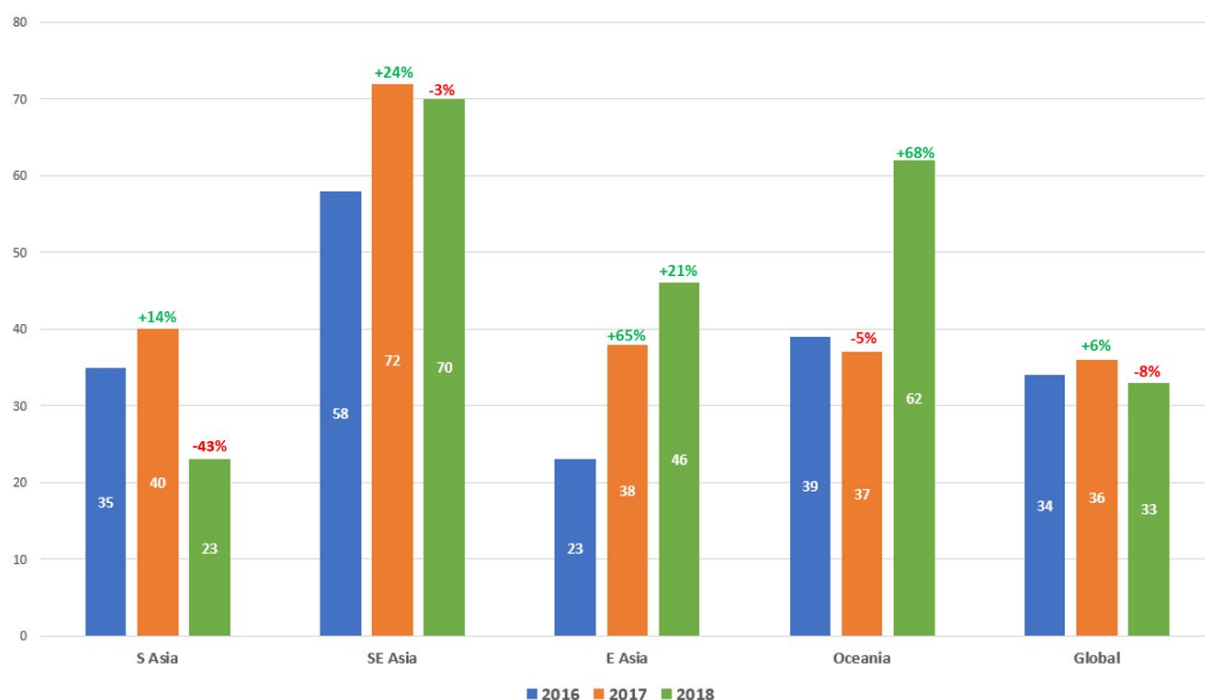


Figure 11: Subregional engagements per year

- There were 66 training engagements delivered by APNIC trainers in 2018, comprising 28% of the total External Relations engagements in 2018, the largest number of engagements. The second biggest outreach category is security, comprising 32 engagements, 14% of the total.

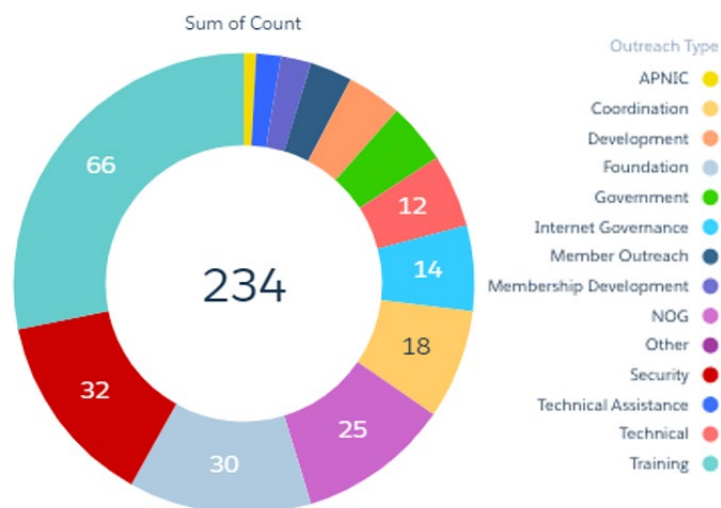


Figure 12: Engagements per category

- The most significant highlight of ER in 2018 are APNIC's activities in Oceania. There were 62 engagements in this subregion, 68% more than in 2017. This increase is due primarily to projects by the APNIC Foundation which focused on the Pacific, and activities leading up to APNIC 46.

- Activities in South East Asia remained stable compared to 2017 and was the subregion with the most engagements, at 70.
 - 35% of the engagements in South East Asia were training activities (25 in total).
 - There were 7 NOGs in this subregion, including 2 in the Philippines.



Figure 15: Engagements in South East Asia

- Activities in East Asia increased by 21% compared to 2017 (46 engagements).
 - There was a significant increase in activities in Hong Kong (from 4 to 11) and Mongolia (from 2 to 7). Japan, Korea and Taiwan had a stable number of engagements.
 - There were 4 NOGs — 2 in Hong Kong and 2 in Taiwan.

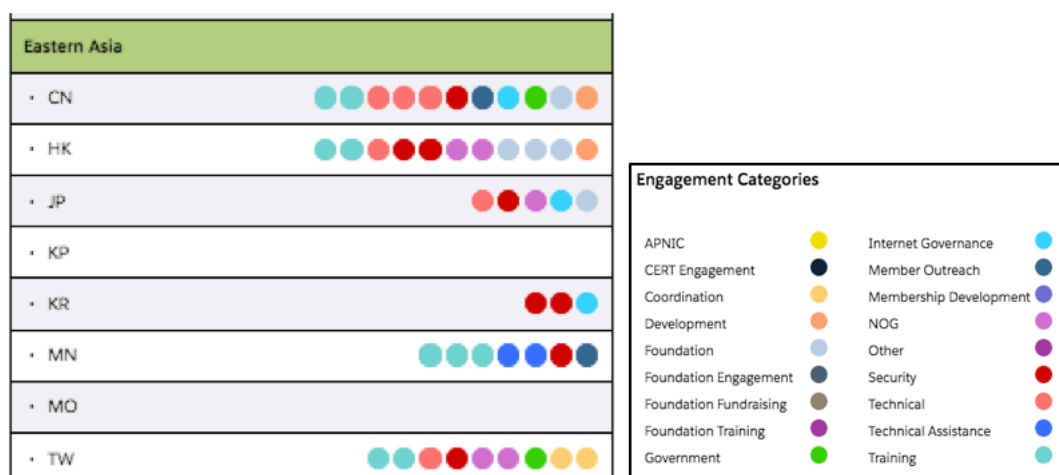


Figure 16: Engagements in East Asia

- Global activities had a slight reduction of 8% compared to 2017 (33 engagements). Global activities represented 14% of total APNIC external engagements.
 - 36% of global engagements were ‘coordination’ activities, comprising 8 RIR meetings, 3 ICANN meetings and 1 APTLD meeting outside the APNIC region.

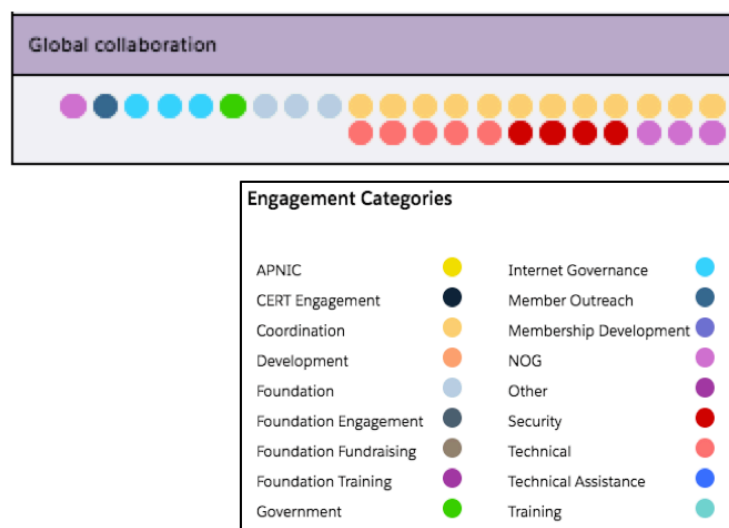


Figure 17: Global engagements

- Below is a summary of engagements by subregion and outreach type.

Engagements by Subregion in Categories

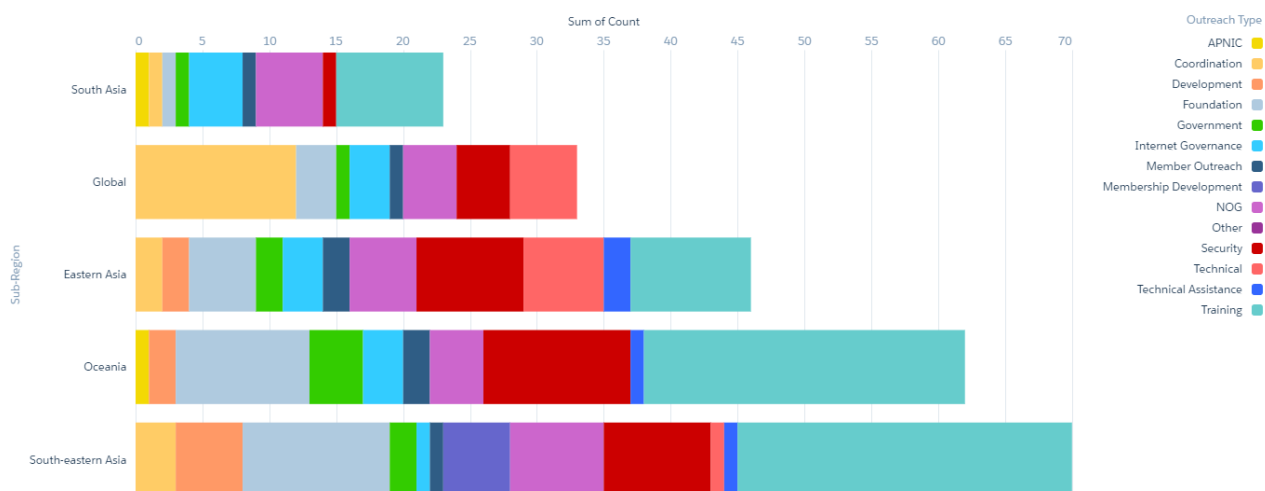


Figure 18: Engagements per subregion

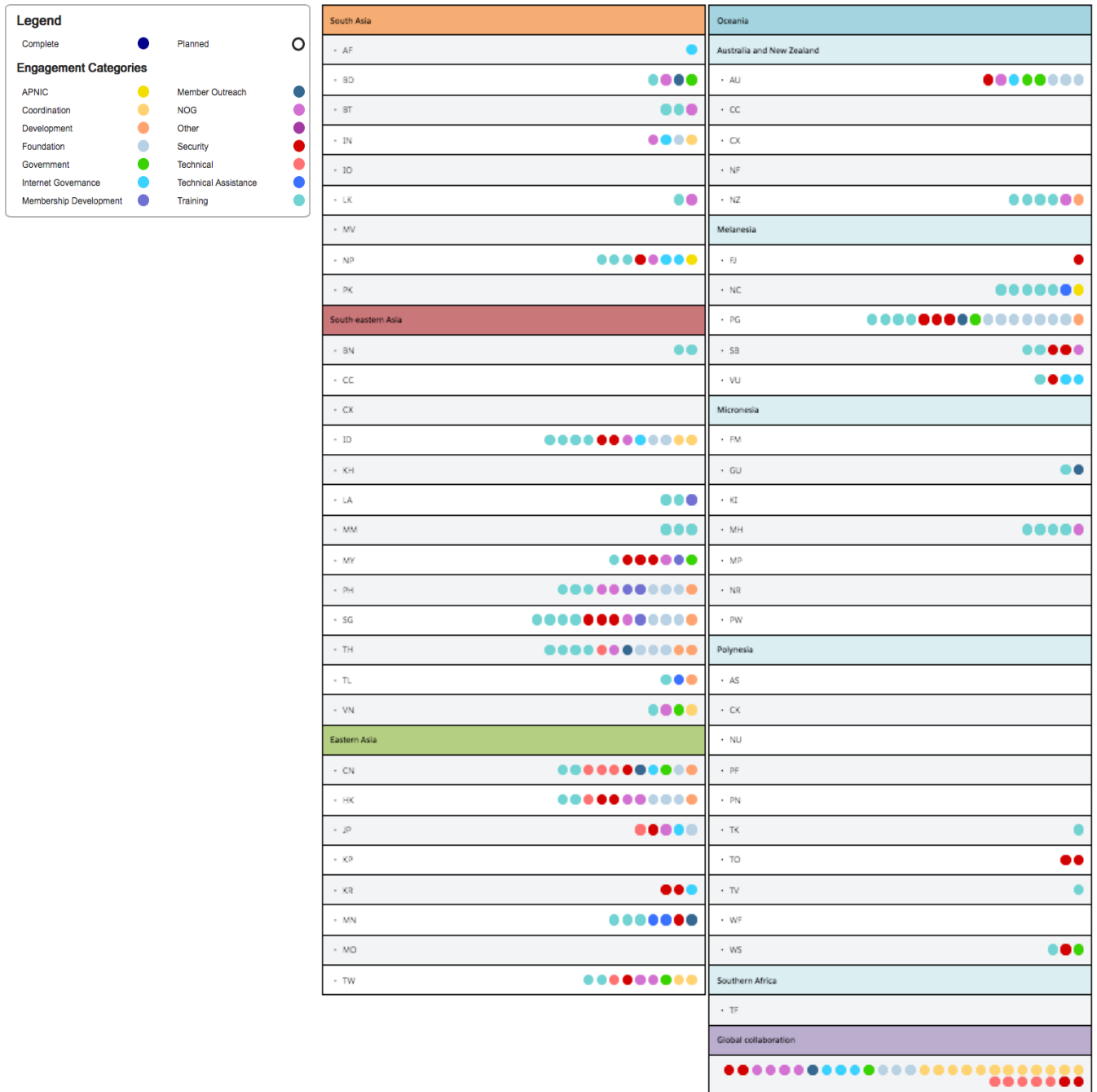


Figure 19: Engagement summary

Projects

9.4 NRO Chair

APNIC was the Chair of the NRO in 2018. The NRO EC, comprising the five RIR heads, held a monthly teleconference, and face-to-face meetings as the opportunity arose. The agenda included:

- ASO Review – follow up of the review recommendations, in particular, the community consultations across all the RIR communities on the future structure of the ASO.
- Discussion about email from an AFRINIC community member about board issues at AFRINIC, to which the NRO EC decided not to respond.
- [IANA Review Committee report](#) that recommended to the NRO EC that IANA had met the SLA during the period being reviewed (1 April to 31 December 2017).
- ICANN board seat #9 election.
- NRO 2017 expenses report review and approval of the 2018 budget.
- NRO contributions to other organizations for 2018 (ICANN, IGF).
- The progress of Coordination Group projects as reported in the next section.
- A face-to-face NRO EC meeting during ICANN 62, which Paul chaired.
- The [response](#) to US government NTIA's notice of enquiry on the International Internet Policy Priorities stating that the IANA transition should not be unwound.
- A discussion of the framework for personal data in the Internet number registry.
- Concerns about representation of the technical community at the IGF MAG, which were raised with the MAG Chair.

9.5 NRO projects

The Coordination Groups include the Resource Services Coordination Group (RSCG), Engineering Coordination Group (ECG) and the Communications Coordination Group (CCG). The groups met regularly via teleconference and face-to-face to discuss ongoing and project work.

RSCG Projects

Identifier Technology Health Indicators (ITHI) project

This ICANN project is developing metrics to measure the 'health' of identifier systems to improve their security, stability, and resilience. The NRO has agreed to contribute metrics in relation to Internet number resources, under RSCG coordination.

Status:

- Initial draft of metrics developed for Internet number resources.
- Community consultation on NRO website completed.
- Detailed measurement is currently being discussed and refined before more development work is undertaken.
- Publication of metrics will start from 2019.

Registry and whois accuracy

The RSCG is considering initiatives to improve data accuracy and is developing documentation on RIR requirements.

Status:

- A draft document containing data accuracy requirements by RIR's policies, agreements and operational practices for further review by the RSCG is underway.

Resource transfer improvements

The work undertaken by the RSCG is to review and document RIR practices and make recommendations for inter-RIR transfer improvements.

Status:

- All the RIRs are working on a presentation to share practices and document interaction procedures.

NRO resource statistics presentation

In collaboration with the CCG, a new slide deck template and content was developed, including RIR transfer statistics.

Status:

- Slide template is completed.
- Content development was launched in 2018.

CCG Projects

NRO website redesign

The NRO website was redesigned to improve user experience and content management.

Status:

- The new site design was approved by the NRO EC and the completed new website was launched in October.

IGF presence and promotion

The NRO arranged a booth at the IGF 2018 in Paris, France, from 12 to 14 November to raise awareness of the role and responsibilities of the global Internet number community.

Status:

- RIR communications teams staffed a booth during the IGF and distributed promotional 'scratch-it' competition postcards in delegate bags and at the event to attract attendees to the booth to learn about the RIRs and Internet numbers.

ECG Projects

RDAP

The ECG is analysing the RIRs' RDAP implementations for consistency and alignment.

Status:

- Initial RDAP compliance testing is being done.
- Feedback from the RIRs is being gathered, to be added to a formal repository.
- The ECG is planning to implement a mechanism to capture the feedback from the RIR communities.
- The ECG has generated an initial list of issues and is currently working on resolving these issues.

To increase consistency in the RDAP service across the RIRs, the ECG has adopted a document outlining a common RDAP profile.

RPKI

The ECG continues to work on improving RPKI standards and implementations.

Status:

- The IETF proposal 'RPKI Validation Reconsidered' was approved and is documented under [RFC 8360](#). The deployment of this RFC will reduce the overall fragility of the RPKI.
- A deployment of this RFC was discussed at IETF 102 in July 2018, followed by a submission of a draft that was presented at IETF 103 in Bangkok in November 2018.
- The ECG will be looking to implement this RFC into one of the currently available validators as part of the 'running code' philosophy of the IETF. This is planned for the first half of 2019 and will be followed by a draft implementation plan to be presented at the IETF.

Unified reporting

The ECG is working on unifying RPKI and Statistics measurements across all the RIRs.

Status:

- The first drafts of both these metrics were reviewed.
- The RPKI draft specification was reviewed and is currently being implemented.
- The current statistics measurements were reviewed and updated and are in production.

Work on RPKI measurements continue, successfully delivering initial measurements that will be made available on the NRO website in early 2019.

Standardized file format

The ECG is identifying opportunities for using standardized file formats to ensure interoperability.

Status:

- The Delegated Extended Statistics and Transfer Log file formats are in draft and will be documented in a revision-controlled repository.
- Work on the Delegated Extended Statistics file format is ongoing with additional input from the recent ECG meeting. The Transfer Log file format document is complete.

10 Governmental Outreach

10.1 Inter-governmental liaison

The annual IPv6 workshop with the ITU was held in Bangkok in May 2018, in collaboration with the Thailand government and the TOT Academy.

APNIC has supported the APNIC Foundation to participate at the WSIS Forum, the IGF MAG, and activities related with Co-Chairing the APriGF MSG.

APNIC participated in all three APT regional preparatory meetings for the ITU Plenipotentiary Conference.

APNIC also participated in APEC TEL 57, in Port Moresby, Papua New Guinea and APEC TEL 58 in Taipei, Taiwan. There was a lot of preparation for the hosting of the APEC Leaders Meeting in Papua New Guinea in November 2018. Progress was made in the operationalization of the CERT in Papua New Guinea.

In October, APNIC presented at a conference about cyberstability in Geneva, organized by UNIDIR. This conference gathered inputs from the private sector and technical community, to be considered in UN discussions about cybersecurity.

In November, APNIC participated at the World Internet Conference (WIC) in Wuzhen. In 2018, the Organizing Committee of WIC released the Wuzhen Outlook, considering comments by members of the High

Level Advisory Council, where APNIC has a place. This document acknowledges rapid developments in IPv6; supports the international community to work on a concept of collaborative cybersecurity; suggests the United Nations play an important role in cybersecurity; and is favourable of developing new global norms for cyberspace, while respecting national sovereignty.

The ITU Plenipotentiary Conference, which sets the strategies and objectives for the ITU for the next four years, was held in Dubai in November 2018. Some of the issues that were more controversial are the:

- Role of the ITU in the Internet and Internet governance.
- Prospect of having another WCIT (to reopen negotiations on the ITRs).
- Role of the ITU in the Digital Objects Architecture and supporting the Global Handle Registry.
- Role of the ITU in cybersecurity-related topics.

The main goals for APNIC in this Conference were to provide technical insights to the delegations, to be a resource for those interested in understanding the Internet addressing community, to keep the network operators at top of mind during negotiations, and to promote [further collaboration](#) with the ITU in the Asia Pacific region. During the Plenipotentiary Conference there was [much debate](#) on resolutions related to Internet matters, including governmental views on IPv6 deployment. It was a good outcome that the conference recognized, through amendments in these resolutions, the importance of cooperating with RIRs and engaging in capacity-building efforts.

11 Global Research

11.1 Global research and measurements

Research topics conducted by Geoff Huston and Joao Damas during 2018 included:

- KSK rollover investigations, including resolver characterization and user impact measurement.
- Promoting the approach described in draft-huston-kskroll-sentinel as an alternative approach to testing the extent of user impact of a KSK roll.
- IPv6, Extension Headers and IPv6 Fragmentation.
- Measuring the extent of latent QUIC capability.
- DNS related research with ICANN (contract extended to 2018).
- Investigation into the dynamic behaviour of BBR (Google's new TCP flow control algorithm).
- Ongoing activity with the ICANN SSAC and RSSAC Committees.
- Investigation of DNSSEC and its role in NSEC caching.
- Open resolver collaboration with Cloudflare.
- ITHI DNS measurement (funded by ICANN).

11.2 Technical advocacy at global forums

Published articles and presentations during 2018 included:

Articles:

- DNS and DDOS
- Hiding the DNS
- Helping Resolvers to Help the DNS
- Network Neutrality – Again
- A Workshop on Internet Economics

- BGP in 2017
- Addressing 2017
- Peak DNSSEC?
- Crypto Zealots
- DNS OARC 28 report
- Just One Bit
- Stuff the Camel into the Bikeshed
- Measuring Root Zone Trust
- Measuring ATR
- What Drives IPv6 Deployment
- Another 10 Years Later
- The Uncertainty of Measuring the DNS
- An Update on Securing BGP from IETF 102
- Measuring ECDsa in DNSSEC – A Final Report
- DNSSEC and DNS over TLS
- The Law of Snooping
- Measuring the KSK Roll
- DOH!
- Securing the Routing System at NANOG 74
- Diving into the DNS
- Has Internet Governance become irrelevant?
- Analysing the KSK Roll
- What's the Time?
- Internet Economics
- IPv6 in China

Presentations:

- TCP and BBR (Canberra Linux Users Group)
- IoT (ATSE)
- The Death of Transit and Beyond (IAB Tech Talk, HKNOG, Thousand Eyes, ISOC-CA)
- The Rise and Rise of Content Distribution Networks (CAIDA Workshop on Internet Economics)
- DDOS, DNS and DNSSEC (NZNOG 2018)
- Measuring DNS ATR (DNS OARC, IETF)
- TCP and BBR (REDIRIS.ES Conference, RIPE 76)
- Measuring ATR (RIPE 76)
- Reasons for IPv6 Deployment (RIPE 76)
- Heisenberg's DNS (Security Workshop)
- Who am I talking to? (Security Workshop)

- That KSK Roll (NANOG 76)
- KSK Roll Results (ICANN 63)
- DNS Privacy (ESNOG 22, IEPG, IETF 103)
- BGP Security Questions (WIE 18, Workshop on Internet Economics, UCSD)
- The Death of Transit and the Future Internet (ITU-T Workshop on the 2030 Future Network)

Corporate

12 Human Resource Management

12.1 Secretariat staffing

Please refer to the HR Report.

12.2 Organizational development

Please refer to the HR Report.

12.3 Staff retention and development

Please refer to the HR Report.

12.4 Product Management

During 2018, APNIC adopted a formal 'Product Management' approach to the development of systems and services. This defines a process for developing and improving any APNIC products (including MyAPNIC, Registry services, APNIC Academy and others) and key steps in product lifecycle, including:

- Idea/Problem validation: Starting with a new idea, and the problems it is intended to solve, validate that proposal with user interviews and research, to refine or reject the idea.
- Solution validation: Validate that the proposed solution will address the problems as intended, by testing mockups or prototypes, and gathering feedback about user experience and interface design.
- MVP: Build a 'Minimum Viable Product' with features that represent the functionality of the product and collect additional user feedback.
- Build/launch/operate: Build, launch, and operate version 1.0 (or the next version) of the product.
- Repeat: Repeat this process to maintain a prioritized list of features for subsequent product releases; until finally retiring the product when the problem/need no longer exists.

APNIC is following this process and increasing engagement with Members and other users in testing and overall 'lifecycle management' of selected products (starting in APNIC 45 and 46). The prior Software Engineering team is now known as the APNIC Products Team, with specific product management responsibilities assigned to individual staff.

13 Finance and Administration

13.1 Financial management

Finance statistics

KPI Dashboard <u>Finance Team YTD KPI (2018)</u>					
Number of	Dec-18	Avg/Mnth	YTD	2017	2016
Phones Calls (Outward)	207	213	2556	3253	3500
RTs Received (Total)	2349	2243	26915	25444	21396
E-Bill Queue	1653	1617	19406	16379	15331
Finance Queue	141	158	1894	1385	1328
Accounts Payable Queue	94	96	1153	1241	1261
Bounce Queue	233	162	1946	3908	1415
Inward Payment Queue	228	210	2516	2319	2061
Accounts Receivable					
APNIC Member Count	49	51	7162	6547	5994
New Members	63	68	817	844	1030
New Non-members	1	1	16	11	18
Receipts Processed	740	732	8786	8061	7514
Invoices issued	727	741	8897	8264	7537
Credit notes issued	34	33	401	550	529
Accounts Closed (Mem and Non-Mem)	16	20	235	332	322
Closure Notice sent	68	79	948	994	945
Reactivation Members	1	2	23	31	45
Reactivation fee waived	1	0	2	2	8
Refund Members (Duplicate and Over-payment)	6	8	93	73	68
Accounts Payable					
Asset Created	19	14	164	260	189
Asset Disposal	0	7	84	76	127
PO created by Finance	15	45	544	488	213
PO Billed	141	167	2005	1957	1947
Supplier <u>EFT</u> Payment	59	73	880	932	891
Nexonia Reimbursement Payments	60	40	476	429	386
Nexonia Reimbursement Transaction	300	173	2080	2088	1912
Credit Card Payment	368	338	4056	3936	3377
Journals processed	80	90	1080	833	888
Cash Advance Request	0	2	28	21	18
Vendor Request	6	7	78	97	141
Foundation Support Transactions	94	268	3217	2454	1046
NRO Support Transactions	17	24	289	756	537

Figure 20: Finance KPIs

13.2 Office management

A new visitor/contractor management system was deployed at the APNIC office, ensuring all visitors are identified before entry, staff notified, and ID tags printed.

Business IT also worked on multiple projects during the year to improve current solutions including Office 365 with more training for end users, and a review of Office 365 governance. This also included selection of a granular backup solution that will provide off-site backups including email, SharePoint document storage, and OneDrive.

The Business IT Team conducted a review of NetSuite and secure access methods. Multi-factor/SSO authentication solutions were deployed for staff access to internal systems.

13.3 Travel management

Travel management statistics

		2018	2017	Change %
Sectors flown:				
	Domestic	102	79	29%
	International	1289	1027	25%
	Total	1391	1106	26%
Hotel room nights:				
	Domestic	77	55	40%
	International	1144	999	14%
	Total	1221	1054	16%
Booked through APNIC's Travel Management Company, excludes external bookings				

Figure 21: Travel statistics

Travel review

APNIC's end-to-end travel processes were reviewed with initial project scoping completed in April 2018. The project team was formed in September and a pilot implementation of a new online travel, booking system and travel expense management system will commence in Q1 2019. Initial work to reduce administration in the approval process in preparation for these trials was completed in October.

During Q3, changes were made to the travel process to improve the efficiency of processing. The treatment of travel allowances and tools used to book travel and record travel expenses are being evaluated. Trials of a new expense management system commenced in December. The final solution will be implemented and tested by the end of Q2 in 2019.

14 Legal and Governance

14.1 Legal counsel and business advisors

Maddocks Lawyers were engaged to review all of APNIC's employment and independent contractor agreements for consistency. This was completed in June 2018.

Craig Ng provided legal consultation to the Services area in relation to a few requests for resource transfers. He has also been advising the APNIC EC on corporate governance matters, and the APNIC DG on the ASO review and other matters.

14.2 Workplace health and safety compliance

Please refer to the HR Report.

15 Facilities

15.1 Building and office facilities

There were changes to desk configurations and relocation of staff to support organizational changes at the start of 2018.

The new media room was completed in October and is currently in use; refurbishment and improvements to the front entrance were delayed in December but will be completed in early 2019.

Plans to upgrade existing bathrooms on Level 1 and install bathroom facilities on Level 2 have been completed and are included in the budget for completion during 2019.

APNIC Secretariat Report

To 31 January 2019

DRAFT 1.0
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Executive Summary

Introduction

This report is provided to the APNIC Executive Council (EC) for the quarterly face-to-face meeting in Daejeon, South Korea on 25 February 2019. **It provides a summary of activities for Q1 up to 31 January 2019.**

This summary provides a list of all significant highlights in this reporting period.

Highlights:

- APNIC Service metrics show high satisfaction and SLA results in this period (1.1.1).
- 61.62% of Members hold IPv6 addresses (1.2.1)
- Styling to deploy the RIPE Forum software in the APNIC web style is completed and the migrated code entered internal testing (1.2.3)
- The APNIC Blog achieved 45,661 views in January 2019 and 12 guest posts were published. The monthly views for 2018 were 40,064 (1.2.4).
- Refreshes of on-premise virtualization server hosts, including purchases of new virtualization servers and rotating older servers out of production to the development and testing environments is underway (1.3.5).
- A proof of concept for the current Event Management solution is being developed within Salesforce and in conjunction with MyAPNIC to provide all Members and conference goers the same user experience as a person logging into MyAPNIC or the Academy (1.3.6)
- Five policy proposals are being discussed at APNIC 47 (2.2.1)
- A k root server node was deployed in Thimphu, Bhutan (2.2.2).
- APNIC helped Bhutan Telecom identify and solve an issue with IPv6 deployment in their mobile network, increasing deployment that dropped to 4% to 16% (2.2.4).
- The first MVP of the Network Security product is being developed. Usability testing will be conducted during APNIC 47 (2.2.8).
- APNIC participated in seven events during January, comprising 10 different engagements: three face-to-face trainings, two NOGs (SANOG and NZNOG), one security engagement (First.org Board Meeting), one government engagement (Brunei), one technical engagement (in China), one Internet governance engagement (IGF MAG meeting) and one Foundation-related engagement in Hong Kong (2.3).
- To promote participation in the APNIC 47 Policy SIG summaries of the five policies was translated into eight languages; a blog post explaining the proposals was published; and a Facebook Live webinar is scheduled for February (2.3.3).
- The Chinese Academy of Sciences invited APNIC to celebrate the 25th anniversary of the Internet in China in January. APNIC participated in the celebrations and used the time to meet with different organizations in China, such as CNNIC, CNISP, BII, ZDNS, and also APNIC Members in China, China Telecom, China Unicom and China Mobile (2.3.4).

1 Serving Members

1.1 Registration Services

1.1.1 IPv4, IPv6 and ASN delegation and registration services

Resources pool summary

The following table shows the status of all APNIC Internet number resource pools in the current reporting period.

	Total held (31 Dec 2018)	From IANA	Transfers in	Transfers out	Total held (31 Jan 2019)	Total allocated	Total free
IPv4 (/24s)	3,471,856	0	720	148	3,472,428	3,445,126 (99.21%)	27,302 (0.79%)
IPv6 (/48 millions)	69,926	0	n/a	n/a	69,926	5,071 (7.25%)	64,855 (92.75%)
ASNs	17,045	0	0	0	17,045	15,431 (90.53%)	1,614 (9.47%)

Table 1: Internet number resource summary

IPv4, IPv6 and ASN delegations

The following table shows the number of delegations for each resource type and the graphs below the table show the distribution of delegations by sub-region.

Resource	Q1 2019
IPv4 (103/8)	172
IPv4 (recycled space)	21
IPv6	113
ASNs	64

Table 2: Internet number resource delegations

IPv4 delegations

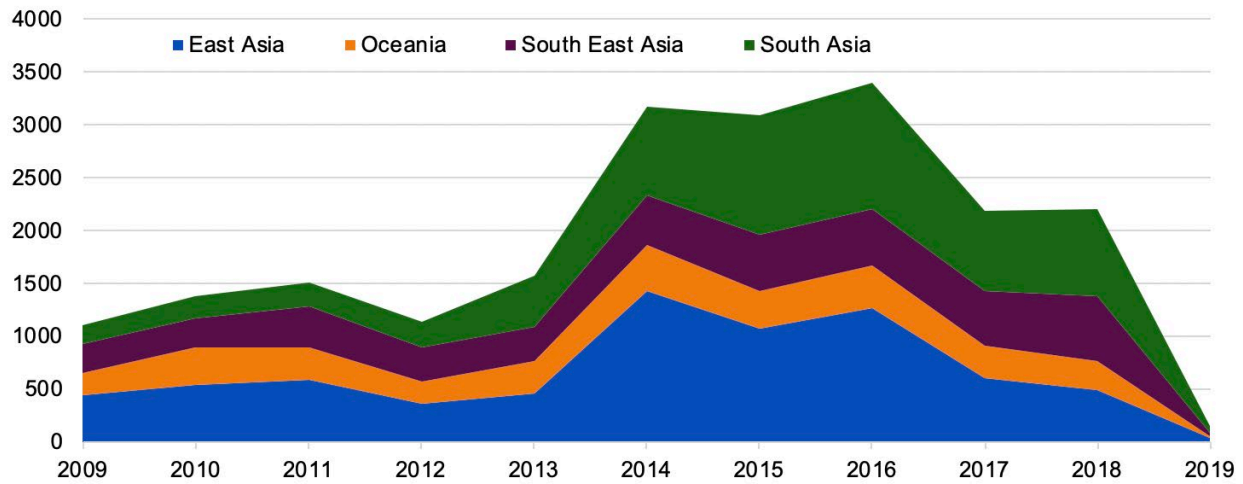


Figure 1: IPv4 delegations

IPv6 delegations

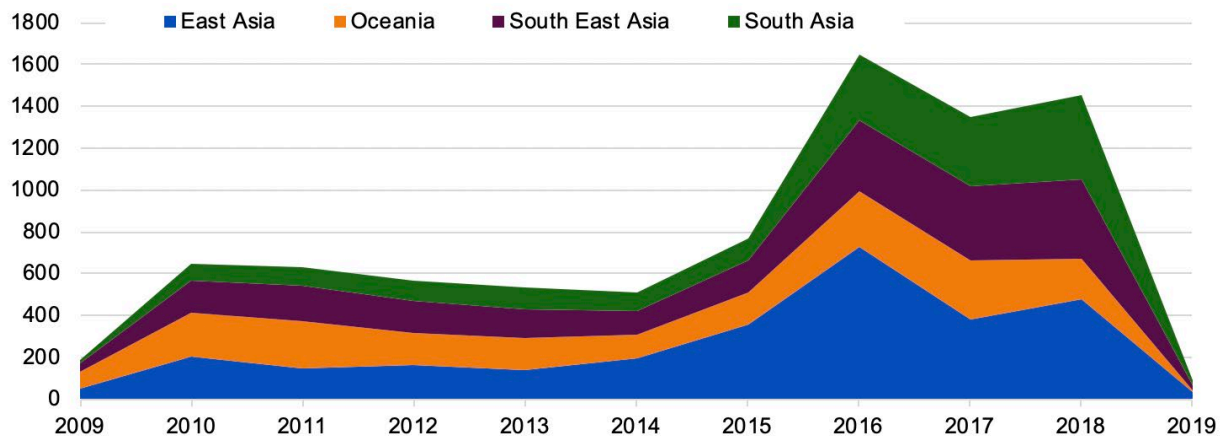


Figure 2: IPv6 delegations

ASN delegations

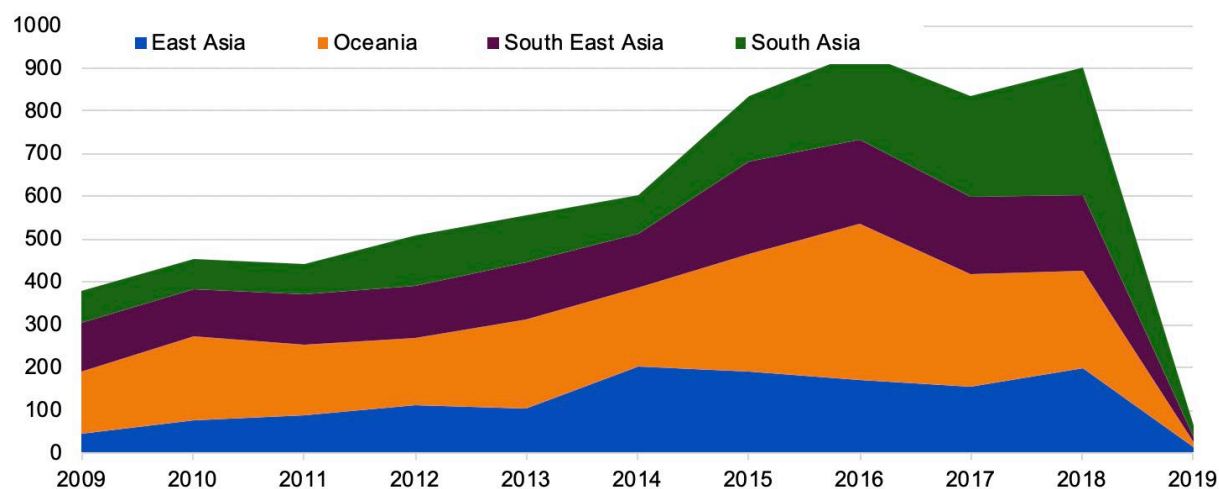


Figure 3: ASN delegations

Member resource type holdings

The proportion of Members holding specific resource types is as follows.

Resource type	Q1 2019
IPv4 (103/8)	75.24%
IPv4 (recycled space)	22.73%
IPv6	61.62%
ASNs	76.33%

Table 3: Member resource type holdings

Status of last /8 (103/8)

The following table shows the number of delegations and the remaining space available in the last /8 (103/8).

Resources	Q1 2019
Delegations from 103/8 (/24s)	500
Remaining 103/8	22.64%

Table 4: Status of the last /8

Status of IPv4 recycled pool

Resources	Q1 2019
Delegations from recycled space (/24s)	48
Remaining recycled pool (/24s)	0.04%

Table 5: Status of IPv4 recycled pool

Waiting list for IPv4 recycled space

Unmet requests for recycled IPv4 addresses are currently kept on a 'waiting list'. Each week terminated address space is returned to the recycled pool (after one year in quarantine) and requests on the waiting list are fulfilled in order.

To date, there are 651 entries on the waiting list, for a total of 2,421 /24 IPv4 blocks (approx 4 /16s in total).

IPv4 transfers and returns

APNIC resource transfers result from mergers/acquisitions or market transactions. Market transfers may happen within the APNIC region, or to and from other RIRs (ARIN or RIPE NCC only).

Transfer type	#	Q1 2019 /24
M&A total	11	556
Market		
▪ Intra-RIR	22	505
▪ Inter-RIR	10	868
Market total	32	1,373

Table 6: IPv4 transfers

RPKI

Usage of RPKI services has increased during this reporting period, as follows:

RPKI usage	Start of period	End of period
Members with RPKI certificates	21.92%	21.96%
Members with ROAs	11.34%	11.44%
IPv4 under ROAs	6.07%	6.08%
IPv6 under ROAs	5.57%	5.57%

Table 7: RPKI usage

1.1.2 Registry operation and maintenance

Projects

1.1.3 Whois IRT accuracy

This is a project to implement prop-125 which requires all resource holders to maintain accurate and responsive IRT contacts in the whois database and requires APNIC to validate Member compliance with this policy every six months.

Status:

- Progress update will be presented at the APNIC 47 Policy SIG session.

1.1.4 RPKI development

This is a project to improve RPKI services and identify opportunities for new services.

Status:

- NRO RPKI reporting processes coordinated with the RIPE NCC (ECG/NRO deliverable).

APNIC has collaborated with the RIR on the design of a common RPKI reporting process. This will operate at the RIPE NCC and measure all the RIR RPKI products worldwide. The design is in final test and was reviewed in January 2019.

- Initial design discussions for public web and MyAPNIC portal UI to drive “anysigner”.

The 2018 work to specify a CMS-signing method for use in RPKI included a simple command-line signing and verifying tool (in GITHUB). This has been complemented by discussions to design the webpages, which will be included in the MyAPNIC portal and public web so a test service can be demonstrated.

- Liaison with external suppliers of RP software for validation-reconsidered support and documentation.

The RIR community has proposed a modified method of X.509 validation in RPKI that significantly reduces our exposure of risk in mis-signing situations. In order to progress work in IETF, we have to show a working validation system, which NLNet labs has agreed to add to their software suite. This will permit us to continue to pursue deployment of this change to the global RPKI model.

RPKI systems are complex software suites with several components and operational dependencies. We have discussed with NLNet labs, the developers of the ‘routinator’ product, if they can produce operations guides for normal RPKI processes, including key roll, algorithm migration, disaster recovery and systems duty cycles. Although written for their own product, this will form a useful suite of documents for any operator of an RPKI system.

1.1.5 Resource Quality Assurance (RQA)

This is a project to develop automated support for RQA – to identify operational issues related to specific address blocks such as route filtering, email and other blacklisting, routing history, and geolocation errors; for use during address reclamation and transfer processes.

Status:

- Project scheduled to start in April and is expected to be completed by December.

1.1.6 Reclaiming unused IPv4 address space

This is a project to identify and develop definitions, approaches and mechanisms for reclamation of “unused” IPv4 address space in the APNIC region.

Status:

- Currently in the initial phase of defining unused space and reclamation options for legal validation.

1.1.7 RDAP development

This is a project to develop APNIC’s RDAP service in 2019-2020 for access to whois information.

Status:

- Coordination for future all-NIR service model dependencies

In order to promote a consistent common basis for reporting on Internet number resource delegations, we are coordinating with the NIRs over how their various whois data formats can be collated in APNIC and used to offer an RDAP service, reflecting their resources. This will permit the APNIC RDAP service to redirect queries to the most specific record, which is under NIR maintenance for many Internet number resources. The service will continue to be hosted and operate in APNIC at this time.

- Standards development work to coordinate at IETF104 Prague: search, bulk access

As it stands, RDAP standards do not specify free-text search methods that are frequently used in the whois to find information about Internet number resource contacts and maintainers. This is being standardized in the IETF. Additionally, we have identified a need for bulk access to RDAP data to complement bulk download of whois data for offline processing under an Acceptable Use policy. We are also progressing this as a standard in the IETF.

1.2 Customer Service

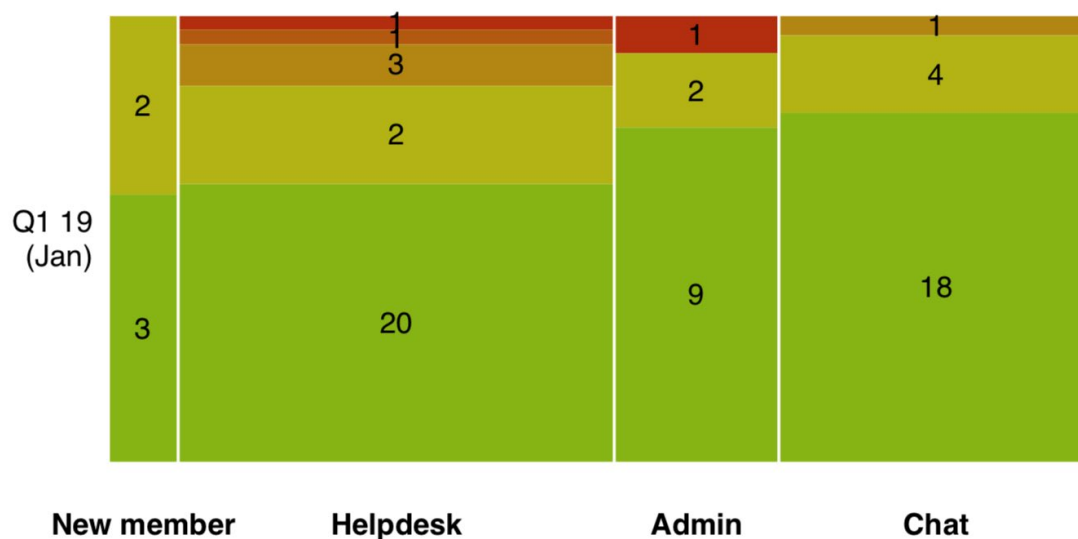
1.2.1 Member Services/Helpdesk/Billing

SLA for service requests



Figure 4: Services SLA

Service satisfaction ratings



Poor	Below average	Average	Above average	Excellent

Figure 5: Service satisfaction summary

Transaction	Q1 2019
New Members	56
Closed Members	19
Reactivated Members	5
Total Members	7,193

Table 8: Membership transactions

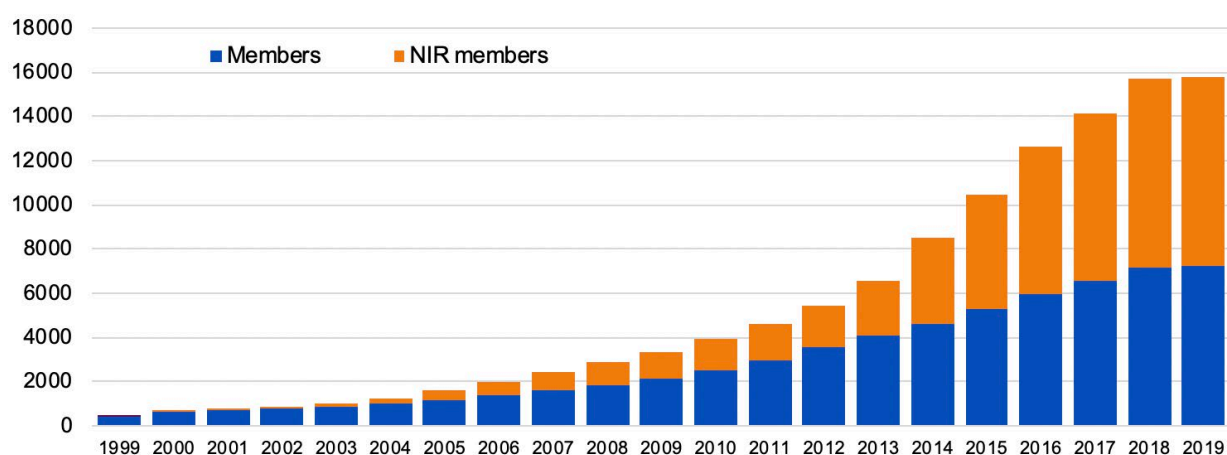


Figure 6: Membership growth

Membership industry type

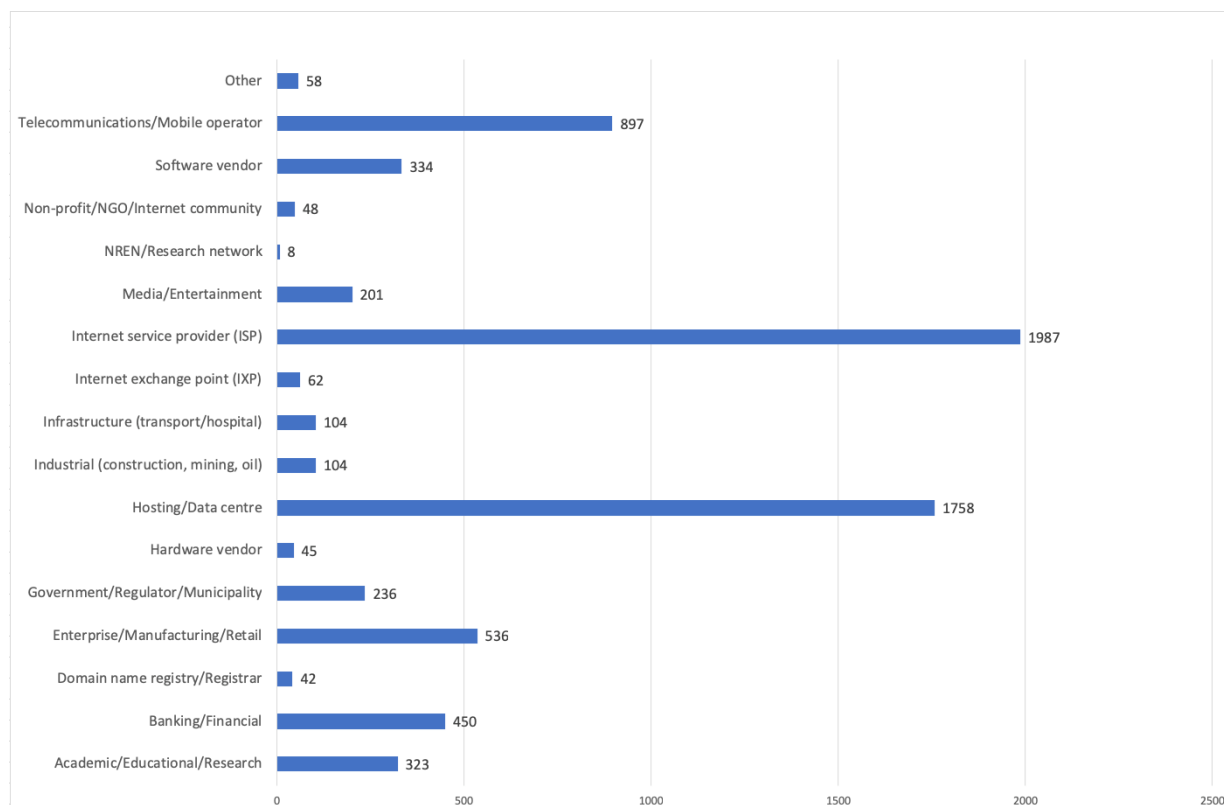


Figure 7: Membership industry type

Fraud attempts

Instances of fraudulent applications and requests are summarized as follows.

Type of fraud	Q1 2019
Identity theft	0
Fabricated documents	1
Fabricated needs	0
Total fraud attempts	0

Table 9: Fraud attempts

1.2.2 MyAPNIC development and maintenance

Some project delays in late 2018 mean we are still completing two Q4 2018 projects in January 2019. The whois accuracy project offers a single location for account holders to update their contacts. Internal testing is complete, and a closed beta test is being planned for February.

Internal testing for Phase 1 and 2 of a project to automate whois updates during transfers was completed and is in a quality review prior to deployment. Phases 3 and 4 will enable whois updates for M&A transfers, and Inter-RIR transfers will follow quite quickly as the code is now well defined.

1.2.3 Improving online experience

Styling to deploy the RIPE Forum software in the APNIC web style is completed and the migrated code entered internal testing. There will be further work after APNIC 47.

The new user portal continues in production as an open beta at my.apnic.net. As a critical part of the SSO implementation, the MyAPNIC portal has been in an extended beta phase. This install of MyAPNIC will become the production version following APNIC 47.

1.2.4 APNIC Blog

	Q1 2019
Views	45,661
Posts	28

Table 10: APNIC Blog activity level

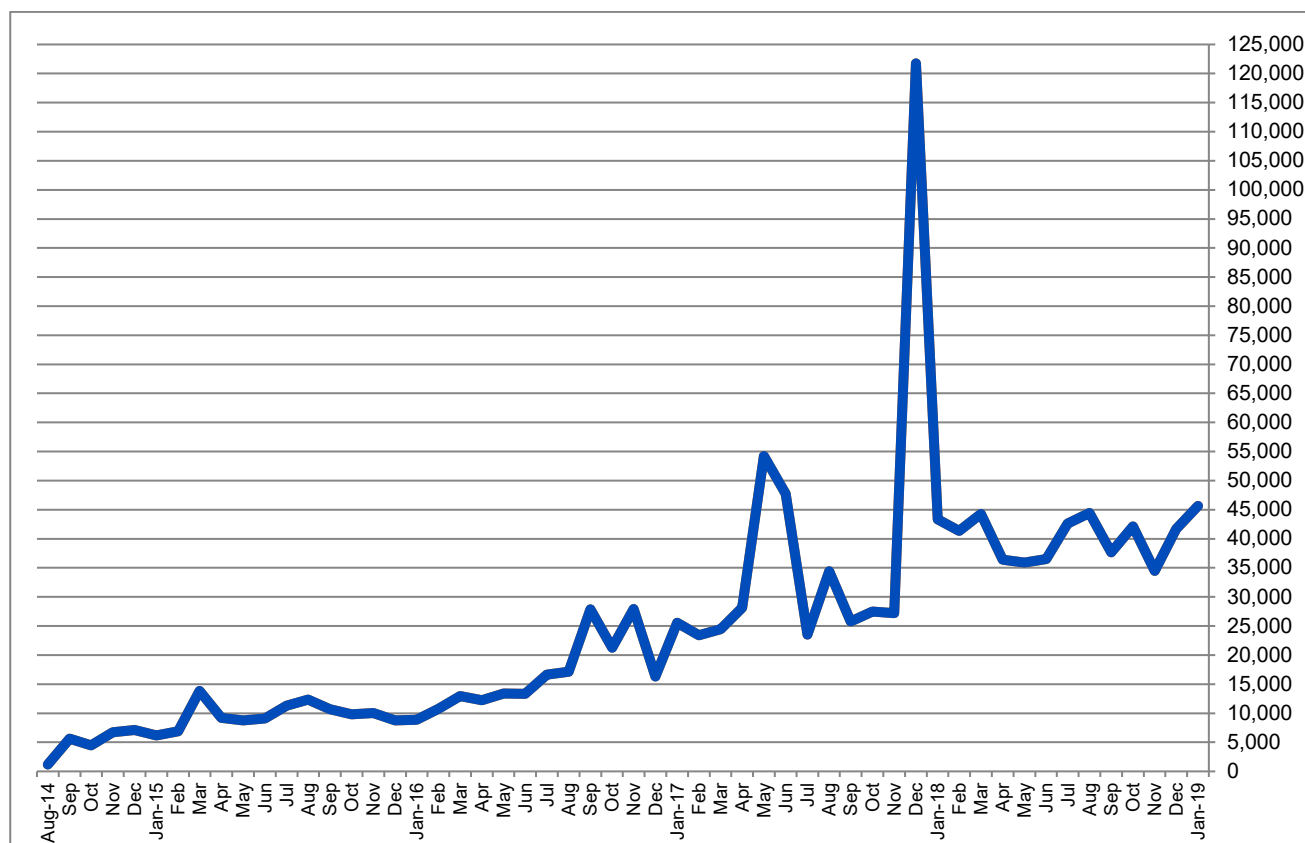


Figure 8: Monthly APNIC Blog views

The APNIC Blog achieved 45,661 views in January 2019 and 12 guest posts were published. 2018's monthly average views were 40,064.

Two guest posts on DNS Flag Day (written by CZ.NIC's Petr Špaček and Internet NZ's Sebastian Castro) were the most popular during the month with operators seeking information on the change before the 1 February deadline.

1.2.5 New membership outreach

Planning for new membership outreach at NOG events is completed with first events scheduled for Q2 2019.

The total number of new Members that have joined APNIC in 2019 is 56 (see 1.2.1).

1.2.6 Quality management

A full recertification audit is scheduled for July 2019. A detailed project plan is in the final stages of development in preparation for this audit.

1.2.7 APNIC Survey

Planning for the APNIC 2020 survey will commence in Q4.

Projects

1.2.8 Service Partner Trial

There will be continued development of the "Service Partner" model to improve outreach to APNIC Members according to local needs; support for three Service Partners approved for two-year trial starting in 2018.

Status:

- MyNOG joined as an associate member and signed the Service Partner agreement in January. Training on how to process Member referrals for MyNOG and PCTA are scheduled for February.

1.2.9 Membership lifecycle management

This is a project to continue developing systems for Member lifecycle management, integrating resource management system to improve service efficiencies.

Status:

- This project will commence in Q2.

1.3 Technical Infrastructure Services

1.3.1 Data centres and interconnections

A new interconnection going to Singapore provided by PCCW Global is being tested.

1.3.2 Maintenance, depreciation and licensing

As part of the continuation of gaining the Non-Profit status with TechSoup, more vendors have now qualified APNIC as a non-profit, resulting in greater organizational discounts for corporate solutions. This will continue as the Business IT Team consolidates individual licensing to group licensing for products used by staff.

1.3.3 Information architecture

Following on from consultancy outcomes delivered in 2018, further work has been undertaken in early 2019 to improve on consistency and repeatability of key reporting outcomes, primarily targeting those used in this report. A role to hold responsibility for information architecture has been established, and business processes and practices to integrate architectural considerations into projects and systems are in development.

1.3.4 Business applications

The Business IT Team are currently improving the Okta solution with more applications becoming available via the SSO function. More application provisioning has been enabled with solutions such as NetSuite and Salesforce now integrated with the Okta API to provide automation. This will continue to progress with BambooHR and Office 365 being the next phase of the integration.

1.3.5 Virtualization and cloud

Refreshes of on-premise virtualization server hosts, including purchases of new virtualization servers and rotating older servers out of production to the development and testing environments is underway. This will result in greater capacity for both the production and development and testing environments.

Storage system software upgrades are also underway, as well as introducing a fast host cache layer, which will bring performance improvements to virtual machine guests.

1.3.6 Software process improvement

A proof of concept for the current Event Management solution is being developed within Salesforce and in conjunction with MyAPNIC to provide all Members and conference goers the same user experience as a person logging into MyAPNIC or the Academy. The solution aims to better identify Members and ensure smoother management of events with better integration.

Projects

1.3.7 Strengthening of APNIC-CSIRT

This is a project to strengthen security incident response and handling within APNIC (relating to APNIC systems and services) through improved internal processes and external coordination.

Status:

- A draft of the updated incident handling procedure and process is being finalized for inclusion in the ISMS ISO27001 documents.

1.4 Member Training

1.4.1 Training services

	Face-to-Face	eLearning	Academy
Courses	3	6 classes held	39 completed with 39 certificates issued
Locations	2 cities in 2 economies	N/A	23 economies
Participants	85	40	201
Virtual Labs	N/A	N/A	67
Training/YouTube	N/A	4,000 views + 56 subscribers	N/A

Table 11: Training delivery

1.4.2 Community Trainers

Community trainers have not been involved in training events in January 2019.

1.4.3 Technical assistance

During January 2019, there was no Technical Assistance (TA) provided.

Projects

1.4.4 APNIC Academy

Development of the APNIC Academy as the platform for delivery of online training and technical assistance to APNIC Members continues.

Status:

- Work commenced on the development of the Academy's webinar capability, including implementing Zoom's web conferencing services, to replace Adobe Connect.

2 Regional Development

2.1 APNIC Conferences

2.1.1 APNIC Conferences

APRICOT 2019

[APRICOT 2019](#) will be held in Daejeon, South Korea, from 18 to 28 February 2019. Registrations stood at 610 at the time of reporting.

APNIC will hold its second Hackathon event in Daejeon, following the success of the first event in Kathmandu last year. Other Internet community events scheduled for APRICOT include a GFCE Triple-I meeting; a FIRST TC; APIX, AP*, and APCERT SC meetings; and DotAsia's AGM.

APNIC 48

APNIC 48 will be held in Chiang Mai, Thailand, from 5 to 12 September 2019. The venue will be the Le Meridien Chiang Mai.

Future conferences

- APRICOT 2020 will be held in Oceania, but the location has not yet been announced.
- APNIC 50 will be held in South Asia, with a final decision on location to be made by the EC this year.

2.2 Regional Technical Development

2.2.1 Policy

APNIC 47

Five policy proposals will be considered at the APNIC 47 Policy SIG.

- [prop-124](#): Clarification on IPv6 Sub-Assignments
- [prop-126](#): PDP Update
- [prop-127](#): Change maximum delegation size of 103/8 IPv4 address pool to a /23
- [prop-128](#): Multihoming not required for ASN
- [prop-129](#): Abolish Waiting list for unmet IPv4 requests

Nominations for the Policy SIG Chair election opened on Wednesday, 23 January, and the election will be held at APNIC 47 on Wednesday, 27 February.

2.2.2 Internet exchanges, rootservers and measurement

- K root server node deployed in Thimpu, Bhutan (hosted by BTIX).
- APNIC continued to sponsor PeeringDB for one more year.

2.2.3 RPKI Deployment

APNIC conducted a RPKI tutorial at SANOG 33 with hands-on labs for 50 participants. APNIC also helped Tashi Cell with their test RPKI deployment remotely (to figure out issues of propagating validation states from border routers running IOS-XE, to iBGP peers running JunOS).

2.2.4 IPv6 Deployment

APNIC conducted a five-day IPv6 deployment workshop at SANOG 33 for 23 participants. An IPv6 deployment measurement presentation was also delivered by APNIC during the SANOG 33 conference.

APNIC also helped Bhutan Telecom identify and solve an issue with IPv6 deployment in their mobile network, based on the drastic drop of their IPv6 capability from 12% to 4% observed through APNIC's measurement system. Since Bhutan Telecom had not deployed VoLTE, users with 4G connections (with IPv6), would fall back to 3G for calls and SMS (or any USSD notifications). APNIC staff at SANOG 33 observed that, during the fall back, users lost IPv6 connectivity (which then required a manual reset to get IPv6 connectivity back). Based on these findings, Bhutan Telecom's mobile team identified a problem with the IPv6 deployment in their 3G network (they had to roll back their mobile core software to an older version due to the Ericsson certificate expiry bug). Since then, Bhutan's IPv6 capability has increased to 16%.

Eight IPv6-tagged blog posts were published in January. Planning for IPv6 week promotional activities has begun with planned rollout from 3 to 7 June. Six new IPv6 case study blog posts are in production for planned release during Q1.

With the continuing support of TWNIC, the regular IPv6 Measurement session held at APNIC conferences has been renamed and refocused on IPv6 deployment from 2019 onwards. SK Telecom and Chunghwa Telecom will present on their IPv6 deployments at the session at APNIC 47.

At the end of January, the ratio of APNIC Members holding IPv6 resources was 61.62%. Total IPv6 capability (as measured by APNIC Labs) in the APNIC region was 15.8%.

2.2.5 Network Operator Groups (NOGs)

APNIC sponsored the following NOGs:

- JANOG 43
- SANOG 33

APNIC also attended / presented at the following NOGs:

- NZNOG 2019
- SANOG 33

2.2.6 Security

A security-themed session at APNIC 47 entitled “Cooperating to Contain Security Threats” is arranged with speakers from APNIC, Spark New Zealand and KISA (Krcert/cc) invited to participate.

Collaboration with FIRST.org and APCERT is underway to organize a one-day security track at APRICOT 2019 in Daejeon. The one-day track will feature talks by security teams and practitioners.

2.2.7 CERT/CSIRTs

Adli Wahid attended the FIRST Regional Symposia and FIRST.org Board Meeting in Tallinn, Estonia. He presented on the status and future activities of APNIC CSIRT engagement in the Pacific Island region.

Projects

2.2.8 Network Security Product

This is a project to develop a prototype ‘security dashboard’ that can support Members’ security needs related to IP address holdings.

Status:

- The first MVP of this product is being developed.
- Usability and relevance testing activities during APNIC 47 are planned with a selected group of Members. There is interesting information to show them through this dashboard at this stage (in which the honeynet data used is limited to a specific type of malicious traffic (SSH)).

2.2.9 Internet Directory and other information services

This is a project to continue improving information services about Internet number resources managed by APNIC, including information about how they are delegated and used.

Status:

- User research activities at APNIC 47 are being planned.
 - For the Internet Directory, there will be an awareness survey and usability testing sessions.

- For the other information services, there will be interviews with network operators for problem validation of the ideas being considered.

2.3 Community Engagement

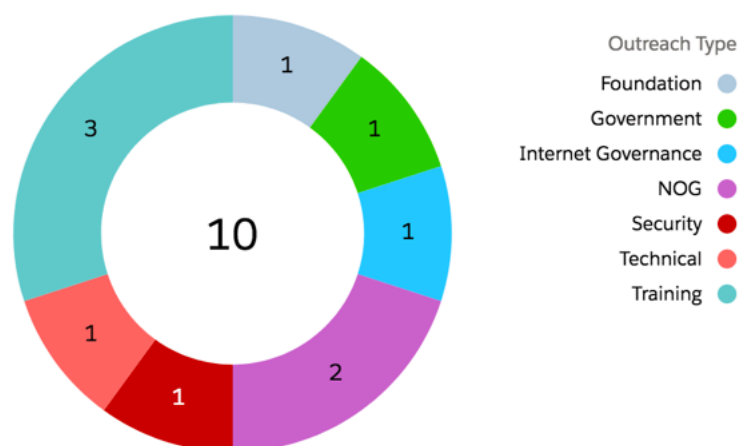


Figure 9: Outreach types

APNIC participated in seven events during January, comprising 10 different engagements: three face-to-face trainings, two NOGs (SANOG and NZNOG), one security engagement (First.org Board Meeting), one government engagement (Brunei), one technical engagement (in China), one Internet governance engagement (IGF MAG meeting) and one Foundation-related engagement in Hong Kong.

2.3.1 Community sponsorship

In addition to NOG sponsorships (see 2.2.5), APNIC will support these community events in 2019:

- APriGF 2019, Russia

APNIC is a paid member of APT, ITU, PTC and ISOC in 2019.

2.3.2 Fellowship program

Fellowships for APNIC 48 will open in Q2 2019.

2.3.3 Promoting community participation

In addition to regular email bulletins and social media promotion of APRICOT 2019, APNIC distributed translated promotional emails to Members in Japan and China. APNIC worked with KRNIC and KINX to distribute emails to Korean contacts to encourage participation.

To promote participation in the Policy SIG at APNIC 47, summaries of the five policies have been translated into eight languages; a blog post explaining the proposals published; and a Facebook Live webinar is scheduled for February.

APNIC authors published 16 posts on the APNIC Blog (see section 1.2.4), with community engagement via APNIC's social media detailed below.

		Q1 2019
Facebook	Reach	134,936
	Likes	27,934
Twitter	Followers	9,619
	Engagement	2,516
YouTube	Views	2,284
	Minutes	16,740
Slideshare	Views	10,497
LinkedIn	Reach	6,335
	Followers	3,367

Table 12: Social Media summary

Cooperation SIG

- The theme of the Cooperation SIG meeting at APNIC 47 is “Internet Content Blocking and Filtering – Challenges and Way Forward”.
- Nominations for the Cooperation SIG Chair election opened on Wednesday, 23 January, and the election will be held at APNIC 47 on Monday, 25 February.

NIR SIG

- Nominations for the Policy SIG Chair election opened on Wednesday, 23 January, and the election will be held at APNIC 47 on Tuesday, 26 February.

2.3.4 Government and IGOs

The Chinese Academy of Sciences invited APNIC to celebrate the 25th Anniversary of the Internet in China in January. APNIC participated in the celebrations and used the time to meet with different organizations in China, such as CNNIC, CNISP, BII, ZDNS, and also APNIC Members in China, China Telecom, China Unicom and China Mobile.

APNIC was invited to an event in January organized by the Authority for Info-Communications Technology Industry (AITI), the regulatory agency of Brunei Darussalam, called “Smart Future Forum”. APNIC gave a presentation about cybersecurity, highlighting the importance of capacity-building for network operators.

2.3.5 Internet governance

The first meeting of the IGF Multistakeholder Advisory Group (MAG) was held in January in Geneva. Sylvia Cadena was reappointed as member of the MAG and Rajesh Chharia was appointed as new member. Both attended the meeting, to plan for the 2019 IGF.

2.3.6 Research & Education Networks

At the upcoming APAN 47 Daejeon in February, APNIC will conduct three tutorials and present on RPKI deployment. APNIC will continue to collaborate with GEANT to deliver TRANSITS-I training for CSIRT development in the R&E community using Asi@Connect funding.

AARNet has requested support for ROA creation for their own IP blocks as they encountered route hijacking in 2018.

Projects

2.3.7 Community Diversity

This is a project to improve diversity (including gender, age and language) of community participation in APNIC events and activities.

Status:

This project will commence following APRICOT 2019.

2.3.8 Encouraging newcomers

This is a project to encourage new participants to take part in the APNIC community, particularly the next generation of network engineers.

Status:

This project will commence following APRICOT 2019.

2.4 APNIC Foundation

2.4.1 Administrative support

The second meeting of the Foundation's board was proposed for the month of May in Singapore. The board meeting will welcome two new Board members Mr. Danish Lakhani from Pakistan and Mr. Michael Malone from Australia (bringing the total to five, with two positions still vacant).

Work continued on the preparation of the Foundation's audited financial statements for 2018.

2.4.2 ISIF Asia

Grants and award

In preparation for the 2019 Call for Proposals that will open in March, the main themes for the grants and award were defined. The Internet for Development category will focus on power solutions for Internet infrastructure and will allocate a total of AUD 100,000 for two grants and one award. The Network Operations Research category will focus on security and reliability and will allocate AUD 60,000 for two grants.

Three separate Selection Committees have been established with subject-matter experts from the community. Funding for this round was provided by APNIC.

Reports for two of the grants allocated in 2017 are now published on the ISIF Asia website, while two more are in progress and are expected to be published in April.

The eight projects supported as part of the 2018 grants are in progress and interim reports are expected in April.

2.4.3 Foundation activities

Planning for 2019 continued for the Foundation's four projects in the Pacific:

1. Technical training and support for Papua New Guinea Internet community.
2. Equipment support for PNGCERT.
3. Training and support for CERTs/CSIRTs in the Pacific.
4. Training for Law Enforcement Agencies in the Pacific.

3 Global Cooperation

3.1 Global Technical Community

3.1.1 RIR collaboration

There were no RIR meetings to attend in January.

3.1.2 I* collaboration

There were no ICANN or other I-star related meetings held in January.

3.2 Inter-governmental outreach

3.2.1 Inter-governmental engagement

As her term was renewed for another year, Sylvia Cadena attended the first 2019 MAG meeting and Open Consultation for the IGF 2019, where the outline for the IGF 2019 community input, selection process and local host engagement took place. There are two more MAG meetings planned in preparation for the 2019 IGF in Berlin.

3.3 Global Research

3.3.1 Global research and measurements

Research topics conducted by Geoff Huston and Joao Damas during this period include:

- Measuring the extent of latent QUIC capability.
- DNS related research with ICANN (contract extended to 2019).
- Ongoing activity with the ICANN SSAC and RSSAC Committees.
- Investigation of DNSSEC and its role in NSEC caching.
- Open resolver collaboration with Cloudflare.
- ITHI DNS measurement (funded by ICANN).

3.3.2 Research presentations

- Why is Securing the Routing System so Damn Difficult? (NZNOG 2019)
- What's the Time? (SANOG 33)
- Securing the Routing System (Keynote, SANOG 33)

4 Corporate

4.1 Human Resource Management

4.1.1 Recruitment

Currently recruiting for an Internet Network Analyst / Technical Trainer.

4.1.2 Product Management

The implementation of Product Management methodology will be further developed in 2019 with the formation of dedicated agile product teams for alignment of effort in developing APNIC products and services. This change will be comprehensively planned and managed for implementation in Q2 and will continue to be reviewed and refined through the year.

4.1.3 Staff retention and development

Continued professional development, with technical certification and leadership development prioritized. A staff conference will be held in 2019 with a focus on strategic planning for the 2020-2023 period.

Projects

4.1.4 Onboarding development

Onboarding processes will be extended to cover a more diverse and distributed workforce (including interns and community trainers) to improve knowledge and awareness of APNIC.

Status:

- This project will begin in February 2019.

4.2 Financial and Administration

4.2.1 Financial management

The external audit of APNIC's financial accounts was completed in early February.

KPI Dashboard Finance Team YTD KPI (2019)						
Number of	Jan-19	Avg/Mnth	YTD	2018	2017	2016
Phones Calls (Outward)	309	309	309	2556	3253	3500
RTs Received (Total)	1920	1902	1902	26915	25444	21396
E-Bill Queue	1184	1184	1184	19406	16379	15331
Finance Queue	217	217	217	1894	1385	1328
Accounts Payable Queue	123	123	123	1153	1241	1261
Bounce Queue	185	185	185	1946	3908	1415
Inward Payment Queue	211	211	211	2516	2319	2061
Accounts Receivable						
APNIC Member Count	39	39	7201	7162	6547	5994
New Members	55	55	55	817	844	1030
New Non-members	0	0	0	16	11	18
Receipts Processed	742	742	742	8786	8061	7514
Invoices issued	667	667	667	8897	8264	7537
Credit notes issued	29	29	29	401	550	529
Accounts Closed (Mem and Non-Mem)	17	17	17	235	332	322
Closure Notice sent	75	75	75	948	994	945
Reactivation Members	0	0	0	23	31	45
Reactivation fee waived	0	0	0	2	2	8
Refund Members (Duplicate and Over-payment)	12	12	12	93	73	68
Accounts Payable						
Asset Created	15	15	15	164	260	189
Asset Disposal	0	0	0	84	76	127
PO created by Finance	35	35	35	544	488	213
PO Billed	215	215	215	2005	1957	1947
Supplier EFT Payment	83	83	83	880	932	891
Nexonia Reimbursement Payments	27	27	27	476	429	386
Nexonia Reimbursement Transaction	110	110	110	2080	2088	1912
Credit Card Payment	462	462	462	4056	3936	3377
Journals processed	79	79	79	1080	833	888
Cash Advance Request	0	0	0	28	21	18
Vendor Request	8	8	8	78	97	141
Foundation Support Transactions	42	42	42	3217	2454	1046
NRO Support Transactions	0	0	0	289	756	537

Table 13: Financial summary

4.2.2 Office management

The office team are making changes to the way they manage office facilities and supplies by ensuring they meet the ethos of Corporate Social Responsibility.

4.2.3 Travel management

The business team are currently trialling a new expense management system to replace the current Nexonia expense management system.

The business team is working together with Egencia to provide APNIC staff a self-travel booking system.

Travel Statistics*

	Jan 2019	Jan 2018	Change %
Sectors flown:			
Domestic	5	15	-67%
International	127	66	92%
Trans Tasman	12	2	500%
	144	83	73%
Hotel room nights:			
Domestic	0	0	
International	34	44	-23%
Trans Tasman	37	10	270%
	71	54	31%

*Booked through APNIC's Travel Management Company, excludes external bookings

Figure 10: Travel statistics

Projects

4.2.4 Enhancing Member payment facilities

This is a project to provide efficient ways for account holders to pay their fees by increasing the number of payment options available.

Status:

- Western Union Corporate is currently being implemented in a pilot to improve payment options for Members.

4.3 Legal and Governance

4.3.1 Legal counsel and business advisors

General legal advice, contract drafting and reviews, guidance in corporate governance, organizational risk management and contractual rights and obligations, and legal cooperation with other organizations is expected to increase in 2019.

A review of APNIC's practices and procedures around data collection to ensure ongoing compliance with privacy principles will also be undertaken.

4.3.2 Workplace health and safety

Please refer to the HR report.

4.4 Facilities

4.4.1 Building and office facilities

APNIC office front entry renovations are planned to prevent water retention on the stairs.

APNIC 47 – Annual General Meeting – Agenda (draftv3)

Time	Topic	Speaker
	AGM (1): 09:30 – 11:00	
09:30	EC Chair welcome, introductions, and opening remarks	Gaurab Raj Upadhaya
09:45	APNIC EC Election Procedures	Craig Ng
09:55	EC Election Candidate Speeches	Election Chair / Candidates
10:20	APNIC Activity Report 2018	Paul Wilson
10:50	Open mic	
	AGM (2): 11:30 – 13:00	
11:30	APNIC EC Treasurer Report	Kenny Huang
11:40	APNIC EC Report	Gaurab Raj Upadhaya
11:55	Policy SIG Report	Sumon Ahmed Sabir
12:10	Open mic	
12:20	NIR SIG Report	Zhen Yu
12:30	Cooperation SIG Report	Dr Govind
12:40	APNIC Hackathon Report	Sofia
12:50	APNIC EC voting reminder	Election Chair
	AGM (3): 14:30 – 16:00	
14:30	APNIC EC voting close	Election Chair
14:40	Data Gathering BoF Report	Sofia
14:50	IPv6 Deployment session Report	Kenny Huang
15:00	2019 Nominating Committee Outreach	Brajesh Jain
15:10	APIX Report	TBC
15:20	APNIC 48 Update	TBC
15:30	Open mic	
15:40	Vote of Thanks	Paul Wilson
15:50	APNIC EC Election Results	Election Chair
15:55	APNIC EC Closing Remarks	Gaurab Raj Upadhaya

Agenda Item 12

APNIC Foundation update

Foundation update



Contents

1. Board update
2. Funded projects
3. New funding proposals

Board update 1

- Second meeting of Foundation Board confirmed for Singapore on Saturday, May 4
- AGM proposed to be held on the same day
 - Paul will represent APNIC on behalf of the EC as the sole member

Board update 2

Board agenda items include:

1. Welcome to the two new Board members
2. Approval of 2018 audited financial statements
3. Charitable status
4. Funding strategies and mechanisms (ISIF investment fund)
5. CEO's report
6. Board membership review for EC
7. Performance review process for CEO position

Board update 3

1. Foundation Board to advise EC of their priorities and needs
2. EC invited to propose names for remaining two positions

Funded projects (1)

1. PNG training

- Total funding of USD 558,000 (USD 383,000 from Australia; USD 175,000 from New Zealand)
- USD 343,323 for technical training, cybersecurity and IXP support (APNIC Foundation)
- USD 214,677 for cybersecurity and regulatory engagement (Asia Foundation)

Impact

- **13 training, engagement and assistance activities in 3 months** (Aug to Nov) to support the APEC summit (routing, network management, DNS)
- **Largest ever training program** involving an APNIC Member economy
- **Training and technical assistance continues this year**

Funded projects (2)

2. Pacific CERTs

- AUD 200,000
- National CERT training and technical assistance in the Pacific

Impact

- **Third and final regional workshop in Samoa in May**
- Project finishes in June after two years
- CERTs established in Tonga, PNG, Vanuatu and Solomons

Funded projects (3)

3. Pacific LEAs (training)

- AUD 108,000
- Collaboration and co-funding with Australian Federal Police (AFP)
- **Impact**
- **APNIC trainer has supported three AFP-organized, LEA-focused workshops** in the Pacific so far
- Fourth and final workshop in April (funded by grant)

Funded projects (4)

4. PNG CERT (equipment support)

- AUD 75,000
- Ongoing

Funding - ISIF Asia 2019

Two categories using AUD 160,000 in APNIC funding:

1) I4D grants and awards / **Powering Internet infrastructure**

- 3 small grants of USD 21,000 (equivalent to AUD 30,000)
- 1 award of USD 3,500 + travel to IGF 2019 in Berlin (maximum of AUD 10K available): small ISPs; IXPs or last-mile connectivity initiatives

2) Internet **Network Operations Research Grants**

- 2 grants of USD 21,000 (equivalent to AUD 30,000)
- IXP research; RPKI; ISP security

Funding (AUD)

Year	Donor	Project	Amount	Total
2018	TAF	PNG training, IXP and CERT	476,000*	
2018	DFAT	Pacific LEA training	108,000	
2018	DFAT	PNG CERT	75,000	
2018	DFAT	Pacific CERT (2 nd phase)	100,000	759,000
2017	DFAT	Pacific CERT (1st phase)	100,000	
2017	IDRC	ISIF Asia	103,000	
2017	ISOC	ISIF Asia	44,000	247,000
Total				1,006,000

* revised

New funding in 2019

[Confidential material redacted]

Funding update 1

[Confidential material redacted]

Funding update 2

[Confidential material redacted]

Joint funding collaboration

Myanmar technical training for university networks

- KDDI Foundation (Japan)
- University of Computer Studies
- Two workshops
- Five day workshops on network security

Thank you

Agenda Item 13

RFP for strategic planning

Request for Proposals - APNIC Strategic Planning

APNIC is the Regional Internet address Registry (RIR) for the Asia Pacific, with sole responsibility for distribution and registration of critical IP address resources in this region. We are a self-funded, membership-based, not-for-profit service organisation, working in full accountability to our community of over 7,000 members, and to the broader Internet community of our region. We have a staff of 80 and a budget of approx AUD\$20 million, and are headquartered in Brisbane, Australia.

The governing board of APNIC, the Executive Council (EC), is responsible for strategic planning, and in 2019 will develop our next 4-year plan, for the period 2020-2023. The planning process will run from 1 May to 1 October 2019, and take inputs primarily from EC and staff members, from the latest of APNIC's biennial Surveys (2018), and from prior annual reports.

APNIC is now seeking proposals from parties interested to support this planning process with relevant facilitation and professional consultancy services.

RFP response

The APNIC EC is open to assistance in design and conduct of an effective planning process, in facilitation of planning workshops, in synthesising meeting outcomes, and/or in formulating our final strategic plan. The EC and senior APNIC staff do have prior experience in strategic planning, and expect to be closely involved in the process. The successful respondent may have further opportunities to assist us in future planning and implementation work.

Responses should detail at least the following information:

- Details of the respondent and key staff
- Details of prior experience in strategic planning activities
- Sample work products and references from past assignments
- Proposed methodology and approach to strategic planning
- Details of specific activities proposed within the timetable outlined below
- Costing and cost structure

Responses and enquiries should be sent to Paul Wilson, Director General, by email to [<dg@apnic.net>](mailto:dg@apnic.net)

Timetable (Draft)

- Start of work: 1 May 2019
- 1st planning meeting (APNIC EC): Brisbane, 4-5 June 2019
- 2nd planning meeting (staff): Brisbane, mid-July 2019
- Final draft due: 1 September 2019
- Final completion: 1 October 2019

Budget

AUD \$75,000 (TBC) including all expenses.

Background information

Comprehensive information is available on the APNIC website, and at the following links:

About APNIC: <https://www.apnic.net/about-apnic/>

APNIC EC: <https://www.apnic.net/ec/>

APNIC Surveys: <https://www.apnic.net/survey/>