The AAF’s **vision** is to lead access management for Australian education and research.

The AAF’s **mission** is to support collaboration through effective access management.
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With 101 subscribers and over 260 services, the Australian Access Federation (AAF) continues to demonstrate its ongoing value and significance to the Australian research and education sector. 2016 has been another successful year for the AAF and a summary of its achievements is reflected in this Annual Report.

A key highlight of the year was AAF’s inclusion in the draft 2016 National Research Infrastructure Roadmap, an activity led by Australia’s Chief Scientist. The identification of the AAF as the national provider for access and authentication highlights the importance of the role that the AAF plays in the national research agenda.

The Next Generation Project was a strategic project which has enabled the AAF to innovate and advance the current federation technologies. This includes the development of a cloud Identity Provider (IdP) platform. 2017 will see the AAF run an Early Adopter Program, that will give eight participating subscribers an opportunity to shape the final product and be part of the early uptake of the service.

The National eResearch Collaboration Tools and Resources Project (NeCTAR) funded the AAF to begin exploring the capability to become multi-protocol with the OpenID Connect standard. The AAF is one of the first international federations to advance in this space and will continue with further committed investment from NeCTAR in 2017.

Global connectivity into services is a major goal for the AAF and the first phase for global connectivity was completed. This phase has proven that international connectivity is possible via eduGAIN and a program of further work will commence in 2017.

The continued partnership with the National Collaborative Research Infrastructure Strategy (NCRIS) capabilities, ANDS, NeCTAR, RDS and AARNet has seen the joint undertaking of the Data Lifecycle Framework Project. The aim of this project is to demonstrate value through a series of coordinated activities to support a whole of data lifecycle approach for the national research capabilities.

In 2016 the AAF commenced as the Australian ORCID Consortium Lead. This has been an exciting opportunity which has allowed the AAF to expand its service offering to further meet the needs of the sector.
The AAF continued its strong program of international engagement in 2016. This included being awarded a tender to assist the national Hong Kong federation. The AAF’s commitment to the sector continued through involvement as chair of the Asia Pacific Advanced Network Working group on Identity Management and the AAF’s open seat on the International Research and Education Federation (REFEDS) Steering Committee. The AAF also continued to support its subscribers locally though workshops, communication activities and a number of conference engagements.

I would like to express my gratitude to the Department of Education for their ongoing support and confidence in the AAF, especially to Tony Rothnie and Kirsty Douglas for their valued support to the AAF.

We continue to have an extremely dedicated team of AAF staff under the leadership of Heath Marks, who works closely with AAF subscribers to meet their needs and evolve the products and services the AAF offers. It is personally rewarding to interact with such a dedicated team.

The AAF continues not only to be an exemplar service, but also provides sustainable specialist services to meet the evolving needs of federated identity management for Australian research and education. I look forward with confidence to the outcomes of the AAF in 2017.

Bruce Callow
President, Australian Access Federation Inc.
Mr Bruce Callow  President
Bruce is the Chief Technology Officer for Griffith University, a position he has occupied since 2013. Previously Bruce was the Director of Information and Communication Technology Services.

During this period he was on the Board of Directors for the global Higher Education Users Group and Chair of the ANZ Higher Education Users Group. Bruce currently sits on the global Oracle Education and Research Strategy Council. Bruce has been an IT professional for over 30 years and his varied background includes 16 years as an Army Officer in various IT related roles, a number of years as an IT Manager in large Local Government Authorities and as a business manager with AWA Computers. Bruce was elected to the position of AAF Vice President in April 2013 and appointed as President in December 2015.

Ms Fiona Rankin  Vice President
Fiona Rankin is the Director of Information Management and Technology Services at the University of Wollongong (UOW), where she is responsible for the development and delivery of key strategic initiatives, in addition to the operational and people management aspects of UOW’s core technology environment.

Fiona brings to this leadership role more than 25 years technology and executive management experience, and multiple Chief Information Officer (CIO) roles in both the public and private sectors. This is in addition to her Company Director qualifications and previous Board appointment to a subsidiary of a large international corporation.

Fiona has completed a Bachelor of Economics and Graduate Diploma in Financial Management (UNE) and a Masters in Business and IT Management (UTS). In addition, she has also completed the Asia Link Leaders Program (Universities of Melbourne and Sydney and the Australian National University) and Leadership 3000 (University of Michigan, USA).

Fiona is a graduate and member of the Australian Institute of Company Directors (AICD), a member of ‘Women on Boards’, she was a 2008 NSW finalist for Telstra Business Women’s Awards, and in 2013 received the University of Technology, Sydney (UTS) Alumni Award for Excellence — Engineering and IT.

Prof Ian Gibson  Past President
Professor Ian Gibson has over 25 years of experience as a computer scientist and engineer and at executive level Research and Development (R&D) management. He has led the research, development and global commercialisation of new technology across a broad range of electrical engineering, computer science and digital imaging. Ian was elected to the position of AAF Secretary in April 2013 and then AAF President in May 2014.

From 2008-2015, Ian was the founding CEO of Intersect, Australia’s leading eResearch organisation, building it from scratch to being the largest organisation of its type in Australia, assisting 12 universities to achieve research impact through technology.

Previously, Ian was a Division CEO at CISRA, the Australian R&D lab for Canon. There he built research capability over several years to deliver original, world leading technology into a wide range of Canon’s major product groups generating hundreds of patents along the way. Ian has a PhD from the University of New South Wales in Computer Science, a BE in Electrical Engineering (Hons) and a BSc and serves on many advisory boards and committees.
Mr Paul Sherlock  Treasurer

Paul is the University of South Australia’s first Chief Information Officer and he has overall responsibility for the University’s Library and IT services. Prior to joining the University in 2001, Paul held senior ICT management roles at the Defence Science and Technology Organisation (DSTO) and BHP.

Paul is Director and Chair of SABRENet Ltd and the Project Director for the Federal Government funded NRN Project. He is also a member of the Australian National Data Service (ANDS) Steering Committee.

Paul is a former President of the Council of Australian University Directors of IT (CAUDIT) and was a founding Member and President of the Australian Access Federation (AAF). He was also formerly a Member of the Australian eResearch Infrastructure Committee (AeRIC). Paul leads CAUDIT’s benchmarking activity and is the author of the complexity index, which is used by CAUDIT members to make meaningful comparisons of benchmarking data across the ANZ HE sector and internationally. Paul was a member of the AARNet Advisory Committee between 1998 and 2014 (including as Deputy Chair 2004-2008) and is a past faculty member of the CAUDIT Leadership Institute (2004-2008).

Kerry Holling  Member at Large

Kerry joined Western Sydney University in July 2011 and is the Chief Information and Digital Officer. He has university-wide responsibility for Digital Strategy and Innovation, Solutions and Project Services, IT Operations, Digital Security and Risk, Procurement and Planning Services, and frontline Academic and Campus-based support. Kerry is also a member of the University Executive.

From 2007 until 2011 he was the CIO for what is now called the NSW Department of Family and Community Services. Previously, he was the Australian CIO for Digital Equipment Corporation (1996-1998), Compaq Computers (1998-2002) and Hewlett-Packard (2002-2006). This provided him with invaluable insights into the technology sector and the operation of large commercial businesses.

In addition to his AAF role, Kerry holds the elected position of Secretary on the CAUDIT Executive and convenes the NAUDIT group (NSW Active University Directors of IT).

Mr Richard Northam  Public Officer AAF Inc.

Richard has taken a strategic leadership role in shaping and enhancing the role of Information Technology within various organisations and been active in the federated identity space in higher education. More recently, he has played a key national and international leadership role in enhancing research through the development and use of eResearch infrastructure that is enabled by Information Technology.

Richard is a board member of the Research Data Services project; a board member of the National eResearch Collaboration Tools and Resources project; a former board member of EDUCAUSE, which is a US based association which represents the best thinking in higher education IT; he is an Accredited Adair International Leadership Trainer; and a member of the faculty of the Hong Kong and African Leadership Institutes for IT Professionals working in Higher Education. Richard holds a Bachelor of Engineering (Electronics) and lives and works in Canberra, ACT.

Previously, he was the Director of the Research Data Services Project, the Chief Executive Officer of CAUDIT and he has more than 25 years’ experience in the ICT industry in the Private, Commonwealth Government and Higher Education Sectors.

Ian Smith  Secretary

Ian Smith is the Director PSP (Business Systems) at Flinders University, where he leads transformational change for service delivery across Flinders University. Ian has more than 35 years’ experience leading technology-enabled change in a range of public and private organisations, including Origin, Telstra and the South Australian Government.

Prior to his role at Flinders University, Ian’s work enabled new ways of doing business in mining, media, defence, government, agriculture, and the energy industry.

Previous roles have included Group Manager, IT Solutions and Projects at Origin Energy Ltd, Chief Information Officer at ABB Grain Ltd, Executive Manager, Corporate Marketing and eCommerce at AusBulk Ltd, and Deputy Director and Senior Policy Advisor Information Economy Policy Office for the South Australian Government. Ian holds a Bachelor of Science and a Bachelor of Engineering (Honours) from the University of Adelaide.

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Mr Heath Marks  CEO

Heath was appointed by the Council of Australian University Directors of Information Technology (CAUDIT) in July 2009 to head a Team to support the AAF’s operations, engage with the higher education and research sectors and more specifically grow the Federation into the future.

Heath is an IT professional with a wealth of management experience in the successful delivery of Information Technology within the tertiary education sector. Heath has formal qualifications in business (MBA, MTechMgt), computing (BIT) and is a graduate and member of the Australian Institute of Company Directors (AICD). Heath also holds an open seat on the international Research Education Federations (REFEDS) Committee.

Ms Elleina Filippi  Service Delivery Manager

Elleina joined the AAF in November 2014 as the Service Delivery Manager and is responsible for overseeing the delivery of services, communication and subscriber engagement activities. Prior to this, Elleina worked for QUT in the Division of Technology, Information and Learning Support as their Communication Team Leader and implemented a number of communication, change and digital media campaigns along with a number of service delivery activities.

In her previous role, Elleina was involved with the initial AAF project through providing expert advice on developing successful communication strategies.

Mr Terry Smith  Technical Engagement and Support Manager

Terry is responsible for the ongoing operation of the federation and for providing support and training activities to the AAF subscriber community. Terry is an experienced IT professional who has been working in Identity and Access Management in the tertiary sector for more than 25 years. In early 2009 Terry managed the AAF pilot project that bootstrapped today’s AAF operation.

Terry is the Chair of the Asia Pacific Advanced Networking (APAN) working group on Identity Management.

Mr Bradley Beddoes  Technical Lead — Innovation, Software Development and Infrastructure

Bradley has worked on delivering secure, standards focused web applications and redundant, scalable IT architectures for 11 plus years within Australia and abroad.

Bradley is responsible for the design and implementation of AAF software and system architectures. He leads the software development and operational infrastructure within the AAF.
Mr John Scullen – Manager, Strategic Initiatives
John joined AAF in February 2016 to lead the development of new processes and tools in the Next Generation AAF project. His role has since expanded to oversee the AAF’s project portfolio.

With more than 20 years’ experience in the higher education sector, John has a strong track record of successfully delivering large, complex projects and in developing innovative approaches to delivering technology solutions. John holds qualifications in information technology (BIT), business (MBA) and project management.

Ms Dalia Abraham – Technical Support Analyst
Dalia joined the AAF as Technical Support Analyst in 2015 and works as part of the support team who are responsible for providing high level technical support to the AAF subscribers. Dalia has a Masters degree in Information Technology and more than 10 years’ experience working in the ICT field.

Mr Shaun Mangelsdorf – Technical Lead
Shaun is responsible for the development of AAF software and infrastructure and has also taken on the technical leadership role in project activities. He has been developing software professionally for over nine years, with experience in identity and access management in the tertiary sector, and custom solutions for the healthcare and pharmaceutical industry.

Mr Melroy Almeida – Technical Support Analyst
Melroy joined the AAF at the start of 2016 as an ORCID Technical Support Analyst. Melroy works with the support team who provide a high level of technical support to AAF subscribers and members of the Australian ORCID Consortium.
Melroy is an IT professional with formal qualifications in information technology (M.InfoTech) and engineering (B.Tech). With over 10 years’ experience delivering information technology solutions within the higher education sector.

Mr Julian Kelly – Technical Support Analyst
Julian joined the AAF in 2016 as a Technical Support Analyst. Julian started his technology career at 12 as the youngest qualified IT technician. He has over 10 years’ experience in running his own company and brings a wide array of expertise to the technical support field within the Australian Access Federation. Julian holds degrees in both Information Technology and International Relations.

Ms Dalia Abraham – Technical Support Analyst
Dalia joined the AAF as Technical Support Analyst in 2015 and works as part of the support team who are responsible for providing high level technical support to the AAF subscribers. Dalia has a Masters degree in Information Technology and more than 10 years’ experience working in the ICT field.

Mr Russell Ianniello – Senior Developer
Russell is responsible for the development of AAF software and infrastructure. With nearly 10 years’ experience in software development, Russell believes in delivering value to customers and staying up to date with the latest trends. He has a mixed background in product development and consulting. In previous roles he has specialised in aviation, finance and environmental management sectors.

Mr Ryan Caught – Senior Developer
Ryan is responsible for the development of AAF software and infrastructure. With over 15 years of experience in software development, he has a diverse working background that spans all the way from the modern North American startup scene to traditional multinational enterprises.
### 2016 YEAR IN REVIEW

| 2 | Official ORCID Consortium Launch Canberra  
eResearch New Zealand 2016: Panel Research Bazaar: ORCID booth |
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<tr>
<td>3</td>
<td>Universities Australia Conference: Shared eResearch Booth</td>
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</table>
| 4 | The new AAF website goes live  
Awarded Hong Kong Federation Tender |
| 5 | Release of the 5th Annual AAF Subscriber Survey |
| 6 | REFEDS Meeting (TNC Networking Conference) Presentation  
UK ORCID Consortium Engagement: Hong Kong federation: Two day workshop |
| 7 | QUESTnet: Identity Management Birds of a Feather Session  
NCRIS capabilities collaborated for the QUESTnet booth  
OpenID Connect (OIDC) project commenced |
| 8 | APAN Hong Kong: Three day federated IDM workshop  
Data Lifecycle Framework Project commenced |
| 9 | Software as a Service Identity Provider Early Adopter Program released  
TechX Conference: International federation operator panel  
USA Government General Service Administration department meeting  
ORCID Outreach meeting: International panel discussion |
| 10 | eResearch Australasia:  
– ORCID member engagement workshop  
– Panel — Looking towards the future of Federated Identity Management  
AAF Hosted a one day international federation workshop |
| 11 | Hong Kong Federation visit to Australia  
AAF participates in the NeCTAR workshop and roundtable |
| 12 | AAF responds to Australia’s draft eResearch Infrastructure Roadmap  
Next Gen project nears completion |
The AAF continued to engage nationally with:

- **AeRO (Australian eResearch Organisations)** (annual Member)
- Providing thought leadership to the Queensland University Directors of Information Technology (QUDIT) Identity Management Community of Practice
- National Collaboration Research Infrastructure Strategy (NCRIS) projects and the 2016 National eResearch Infrastructure Roadmap.

**AAF supporting the national eResearch agenda**

In 2016 the Australian Government commissioned the development of the National Research Infrastructure Roadmap. The Roadmap development was led by the Chief Scientist for Australia, Dr Alan Finkel AO, who was supported by an Expert Working Group.

The AAF had an opportunity to respond to the roadmap submission process and was highlighted as the national provider for access and authentication under the key focus area for Digital Data and eResearch Platforms in the draft Roadmap (www.education.gov.au/2016-national-research-infrastructure-roadmap)

The AAF continued to engage internationally with:

- Federations in the Asia Pacific Region through APAN (Asia Pacific Advanced Networking)
  - AAF Technical Engagement and Support Manager — Chair of the Federated Identity Management Working Group
  - The establishment of the Hong Kong Federation
  - The New Zealand Federation Tuakiri/Reannz. The AAF has continued collaboration through the exchange of mutually beneficial processes, practices and technological developments
  - Assistance and guidance to the Singapore Federation.
- International REFEDS (Research Education Federation) via sponsorship
  - AAF CEO holds an open seat on the international Research Education Federations (REFEDS) Steering Committee.
OUR SUBSCRIBERS

International/Publishers/Commercial

ACADEM
Asia Pacific Advanced Networking (APAN)
Atypon
BarNet
Blackboard Australia Pty Ltd
Cambridge University Press
ClickView
EBSCO Information Services
Department of Science, Information Technology and Innovation (DSITI – QLD)
Elsevier Inc
Emerald Group Publishing Limited
Evolvingspaces (VIC) Pty Ltd
Ex Libris
figshare
Fuji Xerox
Georg Thieme Verlag KG
Grok Learning Pty Ltd
HighWire Press
INFORMIT
Instructure Australia Pty Ltd – Canvas LMS
JISC Collections and Janet Limited
John Wiley & Sons Pte Ltd
Karger Publishers
Kivuto
LabArchives LLC
lynda.com
Masaryk University, Brno (Institute of Computer Science)
MyUNiDAYS Limited
Oxford University Press
PebblePad
ProQuest
QS unisolution
Research Research Ltd
Scientia – Cyon Knowledge Computing
Stratocore
Techsert
The Beans Group Ltd
TALIS Education Limited
TERENA (Trans-European Research and Education Networking Association)
thinkprocurement (think)
The Royal Society of Chemistry (RSC)
UCROO Pty Ltd
Virtual Accident
Queensland
Australian Institute of Marine Science (AIMS)
Bond University
Central Queensland University
Griffith University
James Cook University
Queensland Cyber Infrastructure Foundation (QCIF)
Queensland University of Technology
The University of Queensland
University of Southern Queensland
University of the Sunshine Coast

Western Australia
Central Regional TAFE
Curtin University
Edith Cowan University
Murdoch University
North Metropolitan TAFE
The University of Notre Dame Australia
The University of Western Australia

South Australia
eResearch South Australia Ltd
Flinders University
South Australian Health and Medical Research Institute (SAHMRI)
The University of Adelaide
University of South Australia

New South Wales
Australian Catholic University
Australian Nuclear Science Technology Organisation (ANSTO)
Charles Sturt University
Garvan Institute of Medical Research
Intersect Australia Ltd
Macquarie University
NSW Health
Southern Cross University
The University of New South Wales
The University of Sydney
University of Newcastle
University of New England
University of Technology Sydney
University of Wollongong
Western Sydney University

Northern Territory
Charles Darwin University

South Australia
Cancer Therapeutics CRC Ltd (CTX CRC)
Deakin University
Federation University Australia
La Trobe University
Monash University
Public Records of Victoria (PROV)
RMIT University
Swinburne University of Technology
The University of Melbourne
Vic Node
Victoria University
Walter & Elizabeth Hall Institute

Tasmania
Australian Antarctic Division
Tasmanian Partnership for Advanced Computing (TPAC)
University of Tasmania

Victoria

ACT
Australian Academic and Research Network (AARNet)
Australian National University
Commonwealth Scientific and Industrial Research Organisation (CSIRO)
Council of Australian University Directors of Information Technology (CAUDIT)
University of Canberra
SUBSCRIBERS AND SERVICES

101 SUBSCRIBERS
11 NEW SUBSCRIBERS
265 SERVICES

SUBSCRIBER PROFILE

Publisher/Commercial 41%
University 41%
Research/Research Support 14%
TAFE 2%
Government 2%

SUBSCRIBER PROFILE

Research 60%
Teaching & Learning 8%
Scholarly 14%
Learning Management & Support Tools 18%

270 000+ SERVICE LOGINS
## TOP 10 SERVICES

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<tr>
<th>NECTAR RESEARCH CLOUD</th>
<th>AURIN (ADVANCED URBAN RESEARCH INFRA-STRUCTURE NETWORK) PORTAL</th>
<th>QUT ESQE (QUT BLACKBOARD, WIKI)</th>
<th>UNISA COLLABORATION SHAREPOINT</th>
<th>INTERSECT IDP – PROXY (HELPDESK, DC21 DIVER SYSTEM)</th>
<th>AUSTRALIAN PHENOMICS FACILITY</th>
<th>ACADEMIC WORKLOAD MANAGEMENT SYSTEM (UNI OF SOUTHERN QLD)</th>
<th>ARIN (AUSTRALIAN RESEARCH INFRASTRUCTURE NETWORK - MONASH UNI)</th>
<th>CAUDIT SERVICES (WEBSITE, BENCHMARKING)</th>
<th>FIGSHARE</th>
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<tr>
<td>48 336</td>
<td>33%</td>
<td>22 306</td>
<td>15%</td>
<td>13 192</td>
<td>9%</td>
<td>10 205</td>
<td>7%</td>
<td>5933</td>
<td>4%</td>
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<tr>
<td>UniMelb 14 448 (29.6%)</td>
<td>UniMelb 10 202 (44%)</td>
<td>UniSA</td>
<td>3159 (22.8%)</td>
<td>RMIT 1971 (14.2%)</td>
<td>Curtin 1839 (13.2%)</td>
<td>QUT 1469 (10.6%)</td>
<td>Other 7%</td>
<td>Other 31.1%</td>
<td>Other 7%</td>
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<tr>
<td>UQ 5038 (10.3%)</td>
<td>RMIT 2595 (11.1%)</td>
<td>RMIT 1971 (14.2%)</td>
<td>9%</td>
<td>Curtin 1839 (13.2%)</td>
<td>QUT 1469 (10.6%)</td>
<td>Other 7%</td>
<td>Other 7%</td>
<td>Other 31.1%</td>
<td>Other 7%</td>
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<tr>
<td>Monash 4702 (8.6%)</td>
<td>AAF VH 2395 (10.3%)</td>
<td>AAF VH 1983 (18.7%)</td>
<td>7%</td>
<td>AAF VH 1983 (18.7%)</td>
<td>ANU 378 (6.3%)</td>
<td>AAF VH 332 (5.5%)</td>
<td>ANU 378 (5.5%)</td>
<td>ANU 378 (5.5%)</td>
<td>ANU 378 (5.5%)</td>
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<tr>
<td>UTAS 3330 (6.8%)</td>
<td>UNSW 1557 (6.7%)</td>
<td>QUT 1469 (10.6%)</td>
<td>4%</td>
<td>AAF VH 1983 (18.7%)</td>
<td>ANU 378 (6.3%)</td>
<td>AAF VH 332 (5.5%)</td>
<td>AAF VH 332 (5.5%)</td>
<td>AAF VH 332 (5.5%)</td>
<td>AAF VH 332 (5.5%)</td>
</tr>
<tr>
<td>UNWA 2890 (5.9%)</td>
<td>UWA 1209 (5.2%)</td>
<td>UQ 1125 (8.1%)</td>
<td>4%</td>
<td>QUT 1469 (10.6%)</td>
<td>ANU 378 (6.3%)</td>
<td>QUT 1469 (10.6%)</td>
<td>QUT 1469 (10.6%)</td>
<td>QUT 1469 (10.6%)</td>
<td>QUT 1469 (10.6%)</td>
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<td>Other 37.8%</td>
<td>Other 22.7%</td>
<td>Other 21.2%</td>
<td>Other 22.7%</td>
<td>Other 22.7%</td>
<td>Other 21.2%</td>
<td>Other 21.2%</td>
<td>Other 21.2%</td>
<td>Other 21.2%</td>
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</table>

**Other services – 18%**

The Biodiversity and Climate Change Virtual Laboratory (Griffith Uni), Occupational Therapy Simulations (Deakin Uni), Monash eResearch Center HPC ID, Quadrant (QCIF), Western Australian Reciprocal Borrower (Curtin Uni), James Cook University Research Data Catalogue, UniSA — Research Data Management, CoESRA (Uni of Queensland) and others…

## GROWING THE AAF

In 2016 the AAF reached over 100 Subscribers. The AAF Business Development activities focused on target markets for growing the AAF subscriber base and professional service engagements. The AAF gained 11 new subscribers and completed numerous professional service activities both nationally and internationally. For continued growth and engagement opportunities the AAF has also gained accreditation or preferred supplier arrangements with:

- New South Wales — Advanced Supplier
- Queensland — GITC Accredited
- Victoria — eServices Panel approved supplier.
Next Generation AAF Project

Funded by the Department of Education and Training, this project created the next generation Australian Access Federation (AAF) infrastructure and products.

The project delivered three activities throughout 2016:

Activity 1: Alignment with policies against the Australian Signals Directorate Information Security Manual
- Migration of AAF’s infrastructure to an Australian Signals Directorate certified hosting provider, Amazon Web Services
- A gap analysis of AAF’s processes against the Australian Information Security Manual
- The refinement of policies and procedures including:
  - Information Security Policy
  - System availability targets

Activity 2: Next Generation software extensions
- The delivery of a new Discovery Service that has laid the technical foundations for AAF to join eduGAIN as well as a revised user interface that offers better support for mobile devices
- A next generation reporting tool
- A pilot project with Intersect Australia Limited to look at non-web technologies.

Activity 3: AAF Software as a Service (SaaS) hosted Identity Provider (IdP) solution
- Enable subscribers to connect to the federation without the investment in infrastructure and skills currently required.

The project commenced in July 2015 and is scheduled for completion in January 2017.
Early Adopter Program
In September 2016, the AAF launched an Early Adopter Program (EAP) following the success of the Next Gen Project and the development of the Software as a Service (SaaS) hosted Identity Provider solution.

The program achieved expressions of interest from the AAF subscriber community to take part in the initial release of the SaaS Hosted IdP solution (commences in 2017).

eduGAIN
Enabling Australia’s national authentication framework (Federation) to connect globally is a multi-year program of work. In 2016 the AAF completed the first phase of this program of work by connecting an international R&E (Research and Education) service (LIGO — Laser Interferometer Gravitational-Wave Observatory) as a proof of concept.

OpenID Connect — first steps to becoming multi-protocol
The AAF embarked on the first steps to becoming multi-protocol. Funded by the NeCTAR Project, the AAF-NeCTAR OpenID Connect project was completed in November 2016. The project deliverable provided:

- Proof of concept
- Development of an experimental service that translates an OpenID authentication.

OpenID Connect has potential benefits for AAF subscribers by broadening the authentication options available in the future. The AAF is one of the first federations internationally undertaking this type of innovative work.

Data Lifecycle Framework Project
This project is a joint undertaking between the AAF, ANDS, NeCTAR, RDS and AARNet.

The aim of the this project is to demonstrate value through a series of coordinated activities to support a whole of data lifecycle approach to support a number of National Collaborative Research Infrastructure Strategy (NCRIS) data-intensive capabilities.

The initial activity will be to provide a core suite of functional components for a selection of NCRIS and institutional partnerships.
University of Wollongong workshop – October

In October, the Technical Engagement and Support Manager conducted a one day workshop to assist with the development of an Access Management and Single Sign-On (SSO) Strategy for University of Wollongong. The Workshop was also followed by a discussion with University of Wollongong researchers.

Identity Provider (IdP) Upgrades

In 2016 the AAF was engaged by Subscribers to complete a number of IdP upgrades from Shibboleth V2 to V3. IdP upgrades were completed for:

- Western Sydney University
- Edith Cowan University
- University of Newcastle.

The AAF also developed an IdP V3 installer to assist organisations with completing this work themselves.

Joint Universities Computing Centre (JUCC), Establishment of the Hong Kong Federation

AAF was awarded the tender to supply professional services to JUCC for the establishment of the Hong Kong Federation.

In addition to Hong Kong, the AAF technology stack is now deployed in New Zealand, Singapore, and Russia.

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Procedural text

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The AAF also developed an IdP V3 installer to assist organisations with completing this work themselves.
Australian ORCID Consortium
- AAF commenced the role of Australian ORCID Consortium Lead on 1 January 2016
- Consortium launched by Senator Zed Seselja (for the Minister of Education and Training, Senator Simon Birmingham)
- The launch was held on 15 February 2016 at the ORCID Canberra Outreach meeting.

International recognition
Throughout 2016, the Consortium received consistent positive feedback from ORCID in relation to Australia’s consortium structure, mode of operation and the work that the AAF as consortium lead had undertaken to advance ORCID within Australia for its members. ORCID identified lessons that others could learn from the Australian ORCID Consortium’s accomplishments and identified the Australian model as a leading international example.

ORCID resources
Throughout 2016 the AAF as the Consortium Lead, developed and collated a range of resources for ORCID members. These resources have been made publicly available on the ORCID Resources webpage (aaf.edu.au/orcid/resources.html) providing:
- Communication examples
- Training and webinar sessions
- Resources for planning an integration
- The Greenhouse (aaf.edu.au/orcid/greenhouse.html) which provides:
  - Open source software
  - Installation guides
  - Integration examples.
COMMUNICATIONS AND SUPPORT

AAF Web Statistics
In April 2016, the AAF released a new website with a fresh look and feel and simpler navigation. The website recorded 14 033 visitors in 2016 in comparison to 12 076 in 2015.

AAF Newsletters and Email campaigns

<table>
<thead>
<tr>
<th></th>
<th>12 NEWSLETTERS FOR 2016</th>
<th>17 SPECIAL RELEASE EMAIL COMMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAF NEWSLETTERS</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>TECH NEWSLETTERS</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ORCID NEWSLETTERS</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>SECURITY ADVISORIES</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

SUPPORT

During 2016, the AAF experienced a 28% increase in submitted support tickets in comparison to 2015. It should be noted that the increase in support tickets is connected to a number of initiatives that the support team have undertaken throughout 2016. This includes working with subscribers to upgrade from IdP V2 to V3 and the introduction of ORCID support.

2016 Support Desk Satisfaction Rating

- **Satisfaction Score**: 100%
- **Response Rate**: 32%
- **Percentage Surveyed**: 84%
In May 2016, the AAF released its fifth annual subscriber survey. The survey’s aim was to capture our subscribers’ needs, increase our understanding of future activities and priorities, and understand how our subscribers perceive the AAF.

Overall the survey indicated that subscribers were satisfied with the reliability and services offered by the AAF. From the Survey there were four main recommendations which the AAF will consider as part of future strategic objectives. These recommendation categories included:

- Internationalisation: eduGAIN implementation and ORCID
- One stop shop: National authentication and authorisation solution, simpler deployment (SaaS solution), multi protocol (OpenID Connect)
- Business development: Continue to grow the federation, connect with more commercial/vendors and health
- Outreach and engagement: Reach out to a broader audience and develop community spaces.
2017–2018 STRATEGIC PLAN

Be the identity broker for Australia’s research and education community

- Attract new subscribers
- Grow new services connected to the federation
- Maintain the subscription base
- Remain aligned with Australian eResearch Agenda
- Establish key partnerships where mutually beneficial.

Extend AAF services

- Expand AAF’s identity and access management products
- Provide professional services
- Take leadership in facilitating and developing best practice federated identity management.

Technologies and trends supporting global research and education

- Align with international federation initiatives to enable international access to federation services
- Continue to align with international federation initiatives through REFEDS (Research Education Federations)
- Become a global leader in federated technologies.
<table>
<thead>
<tr>
<th></th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Provide support services to ensure existing subscribers gain best value from their subscription.</td>
</tr>
<tr>
<td>2</td>
<td>Ensure the technology on which the AAF depends is appropriately maintained.</td>
</tr>
<tr>
<td>3</td>
<td>Continue partnerships, memberships and supporting international initiatives.</td>
</tr>
<tr>
<td>4</td>
<td>Provide compliance support activities associated with the Federation Rules and annual Compliance Statements.</td>
</tr>
<tr>
<td>5</td>
<td>Provide a range of professional services to support subscriber needs.</td>
</tr>
<tr>
<td>6</td>
<td>Develop and deliver bespoke Identity Management workshops on-demand.</td>
</tr>
<tr>
<td>7</td>
<td>Continuation of AAF’s business development and innovation capabilities to further build upon the utility and value of the federation.</td>
</tr>
<tr>
<td>8</td>
<td>Undertake communication and engagement activities that focus on promoting the AAF’s value proposition to subscribers, ORCID members and the international community.</td>
</tr>
<tr>
<td>9</td>
<td>Continue to be the ORCID (Open Researcher and Contributor ID) Consortium Lead for Australia.</td>
</tr>
</tbody>
</table>

The 2017 Business Plan and 2017–2018 Strategic Plan can be found at [www.aaf.edu.au](http://www.aaf.edu.au)
### AUSTRALIAN ACCESS FEDERATION INCORPORATED

**STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME**

**FOR THE YEAR ENDED 31 DECEMBER 2016**

<table>
<thead>
<tr>
<th></th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INCOME</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAF Subscriptions</td>
<td>937,651</td>
<td>813,540</td>
</tr>
<tr>
<td>Bank Interest</td>
<td>14,532</td>
<td>18,472</td>
</tr>
<tr>
<td>Project Income</td>
<td>1,271,925</td>
<td>450,546</td>
</tr>
<tr>
<td>Other Income</td>
<td>57,280</td>
<td>137,490</td>
</tr>
<tr>
<td><strong>TOTAL INCOME</strong></td>
<td>2,281,388</td>
<td>1,420,048</td>
</tr>
<tr>
<td><strong>EXPENSES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Staff Salaries &amp; On-costs</td>
<td>1,548,118</td>
<td>1,122,216</td>
</tr>
<tr>
<td>General Operating Expenses</td>
<td>100,858</td>
<td>112,301</td>
</tr>
<tr>
<td>Project Expenses</td>
<td>464,081</td>
<td>67,750</td>
</tr>
<tr>
<td>Meetings &amp; Events</td>
<td>93,116</td>
<td>72,868</td>
</tr>
<tr>
<td>Depreciation</td>
<td>16,593</td>
<td>10,309</td>
</tr>
<tr>
<td>Accounting Fees</td>
<td>22,219</td>
<td>19,250</td>
</tr>
<tr>
<td>Audit Fees</td>
<td>2,200</td>
<td>2,200</td>
</tr>
<tr>
<td><strong>TOTAL EXPENSES</strong></td>
<td>2,247,185</td>
<td>1,406,894</td>
</tr>
<tr>
<td><strong>NET CURRENT YEAR SURPLUS (DEFicit)</strong></td>
<td>34,203</td>
<td>13,154</td>
</tr>
</tbody>
</table>

Total Other Comprehensive Income for the year

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
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<td><strong>TOTAL COMPREHENSIVE INCOME FOR THE YEAR</strong></td>
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</tbody>
</table>

**ATTRIBUTABLE TO MEMBERS OF THE ENTITY**

*This income statement should be read in conjunction with the accompanying notes to the accounts.*
# Statement of Profit or Loss and Other Comprehensive Income

For the Year Ended 31 December 2016

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<thead>
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<thead>
<tr>
<th></th>
<th>2016</th>
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</tr>
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<tbody>
<tr>
<td><strong>Net Current Year Surplus (Deficit)</strong></td>
<td>34,203</td>
<td>13,154</td>
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</table>

**Total Other Comprehensive Income for the Year** -

**Total Comprehensive Income for the Year**

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# Statement of Financial Position

As at 31 December 2016

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<thead>
<tr>
<th></th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Assets</strong></td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td><strong>Current Assets</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bank - Operating a/c</td>
<td>75,976</td>
<td>39,155</td>
</tr>
<tr>
<td>Bank – Online Saver a/c</td>
<td>1,602,107</td>
<td>1,164,514</td>
</tr>
<tr>
<td>Bank – US $ a/c</td>
<td>159,322</td>
<td>82,400</td>
</tr>
<tr>
<td>Membership Debtors</td>
<td>1,084,186</td>
<td>939,547</td>
</tr>
<tr>
<td>Sundry Debtors</td>
<td>29,353</td>
<td>39,940</td>
</tr>
<tr>
<td><strong>Total Current Assets</strong></td>
<td>2,950,944</td>
<td>2,265,556</td>
</tr>
<tr>
<td><strong>Non-Current Assets</strong></td>
<td>32,340</td>
<td>27,146</td>
</tr>
<tr>
<td><strong>Total Non-Current Assets</strong></td>
<td>32,340</td>
<td>27,146</td>
</tr>
<tr>
<td><strong>Total Assets</strong></td>
<td>2,983,284</td>
<td>2,292,702</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Liabilities &amp; Equity</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Current Liabilities</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Payables &amp; Accrued Expenses</td>
<td>263,404</td>
<td>160,109</td>
</tr>
<tr>
<td>GST liability</td>
<td>121,507</td>
<td>136,630</td>
</tr>
<tr>
<td>Prepaid Income – AAF</td>
<td>1,034,811</td>
<td>920,234</td>
</tr>
<tr>
<td>Prepaid Income – ORCID</td>
<td>486,916</td>
<td>404,180</td>
</tr>
<tr>
<td>Project Income in Advance</td>
<td>321,725</td>
<td>52,872</td>
</tr>
<tr>
<td>Employee leave entitlements</td>
<td>192,670</td>
<td>110,077</td>
</tr>
<tr>
<td><strong>Total Current Liabilities</strong></td>
<td>2,421,033</td>
<td>1,784,102</td>
</tr>
<tr>
<td><strong>Non-Current Liabilities</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employee leave entitlements</td>
<td>41,980</td>
<td>22,532</td>
</tr>
<tr>
<td><strong>Total Non-Current Liabilities</strong></td>
<td>41,980</td>
<td>22,532</td>
</tr>
<tr>
<td><strong>Total Liabilities</strong></td>
<td>2,463,013</td>
<td>1,806,634</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Net Assets</strong></td>
<td>520,271</td>
<td>486,068</td>
</tr>
</tbody>
</table>

**Members Funds**

- Retained Surplus
  - 2016: 520,271
  - 2015: 486,068

**Total Members Funds**

This statement of financial position should be read in conjunction with the accompanying notes to the accounts.
**STATEMENT OF CASH FLOWS**
FOR THE YEAR ENDED 31 DECEMBER 2016

### Cash flows from operating activities

<table>
<thead>
<tr>
<th>Note</th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Receipts from operating activities</td>
<td>2,821,587</td>
<td>1,610,547</td>
</tr>
<tr>
<td>Interest received</td>
<td>14,711</td>
<td>19,130</td>
</tr>
<tr>
<td>Payments to suppliers and employees</td>
<td>(2,263,175)</td>
<td>(1,506,354)</td>
</tr>
<tr>
<td><strong>Net cash provided by operating activities</strong></td>
<td><strong>573,123</strong></td>
<td><strong>123,323</strong></td>
</tr>
</tbody>
</table>

### Cash flows from investing activities

<table>
<thead>
<tr>
<th>Note</th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Payments for plant &amp; equipment</td>
<td>(21,788)</td>
<td>(16,105)</td>
</tr>
<tr>
<td>Proceeds from disposals</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Net cash (used by) investing activities</strong></td>
<td><strong>(21,788)</strong></td>
<td><strong>(16,105)</strong></td>
</tr>
</tbody>
</table>

### Net (Decrease)/Increase in cash held

<table>
<thead>
<tr>
<th>Note</th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Cash at the beginning of the year</td>
<td>1,286,069</td>
<td>1,178,851</td>
</tr>
<tr>
<td><strong>Net surplus (deficit)</strong></td>
<td><strong>551,335</strong></td>
<td><strong>107,218</strong></td>
</tr>
<tr>
<td>Cash at the end of the year</td>
<td>1,837,404</td>
<td>1,286,069</td>
</tr>
</tbody>
</table>

### STATEMENT OF CHANGES IN EQUITY
FOR THE YEAR ENDED 31 DECEMBER 2016

<table>
<thead>
<tr>
<th></th>
<th>Retained Earnings</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td><strong>Balance at 31 December 2014</strong></td>
<td>472,914</td>
<td>472,914</td>
</tr>
<tr>
<td>Net surplus (deficit)</td>
<td>13,154</td>
<td>13,154</td>
</tr>
<tr>
<td><strong>Balance at 31 December 2015</strong></td>
<td>486,068</td>
<td>486,068</td>
</tr>
<tr>
<td>Net surplus (deficit)</td>
<td>34,203</td>
<td>34,203</td>
</tr>
<tr>
<td><strong>Balance at 31 December 2016</strong></td>
<td><strong>520,271</strong></td>
<td><strong>520,271</strong></td>
</tr>
</tbody>
</table>

*Income Statements* · The statement of cash flows and statement of changes in equity should be read in conjunction with the accompanying notes to the accounts.
NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Preparation

The Committee has determined that the Association is not a reporting entity because there are no users dependent on a general purpose financial report. The Association is a not-for-profit entity for Australian Accounting Standards.

The financial statements are special purpose financial statements prepared for the purpose of complying with the NSW Associations Incorporation Act 2009 and to satisfy the financial reporting requirements of the constitution and to meet the needs of the members of the Association.

The financial statements have been prepared on the basis of a Tier 1 association and the financial reporting exemptions provided by Class Order 11/01.

The Association is a medium registered charity and is subject to the ACNC reporting requirements.

The financial statements have been prepared in accordance with the mandatory Australian Accounting Standards applicable to entities reporting under the Tier 1 association exemption provided by Class Order 11/01 and the significant accounting policies disclosed below, which the committee members have determined are appropriate to meet the needs of members.

The financial report, except for the statement of cash flows, is prepared on an accruals basis and is based on historical costs and does not take into account changing money values or, except where stated, current valuations of non-current assets. Cost is based on the fair values of the consideration given in exchange for assets. The amounts presented in the financial statements have been rounded to the nearest dollar.

The following is a summary of the significant accounting policies adopted by the Association in the preparation of the financial report. These policies are consistent with the previous year unless stated otherwise.

(a) Income Tax:

The income of the Association is exempt from income tax under Division 50-5 of Income Tax Assessment Act 1997
NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES CONTINUED

(b) Income In Advance
Income received for subscriptions from members and events which will occur in relation to the subsequent financial year are treated as income in advance.

(c) Income
Interest revenue is recognised on a proportional basis taking into account the interest rates applicable to the financial assets. Income from the rendering of a service is recognised upon the delivery of the service to the customer or based on the stage of completion of the service delivery at the end of the financial year. All revenue is stated net of the amount of goods and services tax.

(d) Goods & Services Tax
Revenues, expenses and assets are recognised net of the amount of GST, except where the amount of GST incurred is not recoverable from the Australian Taxation Office. In these circumstances the GST is recognised as part of the cost of acquisition of the asset or as part of an item of the expense. Receivables and payables in the Statement of Financial Position are shown inclusive of GST.

(e) Equipment
Equipment is measured on the cost basis less depreciation and impairment losses. Depreciation is calculated on a straight-line basis, over the useful lives of the assets to the Association commencing from the time the asset is held ready for use. The carrying amount of equipment is reviewed annually by the Association to ensure it is not in excess of the recoverable amount from those assets. The recoverable amount is assessed on the basis of the depreciated replacement cost of the asset. Equipment that has been contributed at no cost, or for nominal cost, is valued at the fair value of the asset at the date it is acquired.

(f) Impairment
At the end of each reporting date, the Association assesses whether there is any indication that an asset may be impaired. If such an indication exists, the recoverable amount of the assets, being the assets depreciated replacement costs, is compared to the assets carrying value. Any excess of the assets carrying value over its recoverable amount is expenses in the income statement.
NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES CONTINUE

(g) **Staff Leave Entitlements**
Liabilities for staff salaries and staff leave entitlements expected to be settled within 12 months of the reporting date are recognised in current liabilities in respect of staff services up to the reporting date and are measured at the amounts expected to be paid when the liabilities are settled.

(h) **Comparative Figures**
When required by Accounting Standards, comparative figures have been adjusted to conform to changes in presentation for the current financial year.

(i) **Critical Accounting Estimates and Judgments**
The committee members evaluate estimates and judgements incorporated into the financial report based on historical knowledge and best available current information. Estimates assume a reasonable expectation of future events and are based on current trends and economic data, obtained both externally and within the Association.

(j) **New Accounting Standards for Application in Future Periods**
The AASB has issued a number of new and amended Accounting Standards that have mandatory application dates for future reporting periods, some of which are relevant to the Association. The committee has decided not to early adopt any of the new and amended pronouncements. The committee’s assessment of the new and amended pronouncements that are relevant to the Association but applicable in future reporting periods is set out below:

AASB 9: Financial Instruments and associated Amending Standards (applicable to annual reporting periods beginning on or after 1 January 2018).
The Standard will be applicable retrospectively and includes revised requirements for the classification and measurement of financial instruments, revised recognition and derecognition requirements for financial instruments, and simplified requirements for hedge accounting.

AASB 16: Leases (applicable to annual reporting periods beginning on or after 1 January 2019).
When effective, this Standard will replace the current accounting requirements applicable to leases in AASB 117: Leases and related Interpretations. AASB 16 introduces a single lessee accounting model that eliminates the requirement for leases to be classified as operating or finance leases.
The transitional provisions of AASB 16 allow a lessee to either retrospectively apply the Standard to comparatives in line with AASB 108: Accounting Policies, Changes in Accounting Estimates and Errors or recognise the cumulative effect of retrospective application as an adjustment to opening equity on the date of initial application.
These Standards are not expected to significantly impact the Association’s financial statements.
NOTE 2: ASSOCIATION DETAILS

The Australian Access Federation Incorporated is an incorporated association under the New South Wales legislation Associations Incorporation Act 2009.

*The registered office of the Association is 10 Nyora Place, Jerrabomberra, NSW, 2619*

The principal place of business of the association is Building 9, Banks Street, Yarralumla, ACT

NOTE 3: EVENTS AFTER THE REPORTING DATE

Since the end of the financial year there have been no material post balance date events that could affect the financial position and performance of the Association.

The financial report was authorised for issue on the date the Committee Report was signed and dated.

NOTE 4: CASH FLOW INFORMATION

(a) Reconciliation of Cash

<table>
<thead>
<tr>
<th></th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bank - Operating a/c</td>
<td>75,976</td>
<td>39,155</td>
</tr>
<tr>
<td>Bank – Online Saver a/c</td>
<td>1,602,107</td>
<td>1,164,514</td>
</tr>
<tr>
<td>Bank – US $ a/c</td>
<td>159,322</td>
<td>82,400</td>
</tr>
<tr>
<td><strong>Cash at the end of the year</strong></td>
<td><strong>1,837,404</strong></td>
<td><strong>1,286,069</strong></td>
</tr>
</tbody>
</table>

(b) Reconciliation of the operating surplus to the net cash provided by operating activities:-

<table>
<thead>
<tr>
<th></th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating surplus/(deficit)</td>
<td>34,203</td>
<td>13,154</td>
</tr>
<tr>
<td>Gain on disposal/write off of plant &amp; equipment</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Depreciation and amortisation</td>
<td>16,593</td>
<td>10,309</td>
</tr>
<tr>
<td><strong>Movement in assets and liabilities:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decrease/(Increase) in receivables</td>
<td>(144,639)</td>
<td>(345,546)</td>
</tr>
<tr>
<td>Decrease/(Increase) in prepayments/ Other Debtors</td>
<td>10,587</td>
<td>(14,934)</td>
</tr>
<tr>
<td>(Decrease)/Increase in creditors/accruals</td>
<td>88,172</td>
<td>40,159</td>
</tr>
<tr>
<td>(Decrease)/Increase in prepaid income</td>
<td>466,166</td>
<td>374,932</td>
</tr>
<tr>
<td>(Decrease)/Increase in Employee liabilities</td>
<td>102,041</td>
<td>45,249</td>
</tr>
<tr>
<td><strong>Net cash provided by operating activities</strong></td>
<td><strong>573,123</strong></td>
<td><strong>123,323</strong></td>
</tr>
</tbody>
</table>
We asked our subscribers what was important to them and how we were going — this is what they said…

- ‘Representing the sector on key issues involving research identity and access.’
- ‘Has a sustainable business model, based on broad-based subscriptions.’
- ‘Responding to issues and improving services.’
- ‘Developing useful tools for subscribers’.
- ‘Approachable for help with any problems.’
- ‘Provides a robust, trustworthy, federated service across a large community.’
- ‘Developing new technologies for IM.’
- ‘Supporting QCIF’s operations with authentication services.’
- ‘Provides good sector level leadership.’

Michelle Barker
Michelle1Barker

Heath Marks
@ausaccessfed listing the many international organisations running AAF software stack, very impressive.

Natasha Simons
n_simons

Just caught up on excellent webinar: Understanding #ORCID Integrations by @M3LROY @ausaccessfed https://www.youtube.com/watch?v=z9IPhoAPw38 … Highly recommend!

Sam Searle
datalibsam

@ausaccessfed has lots of useful new Oz #ORCID consortium content on their site https://aaf.edu.au/orcid/resources.html …

AERO_retweeted RDS Project
AeRO_eResearch

Simplifying #socialmedia – 10 commandments you should know! Great pres by @reta_davis and Elleina from @ausaccessfed #eResAu16 #eresearch
Member of the Australian eResearch Organisation (AeRO)

AeRO

Australasian eResearch Organisations

Supported by the Council of Australian University Directors of Information Technology

Supported by the Australian Government through the Department of Education and Training

AAF Inc. Contacts

Enquiries enquiries@aaf.edu.au, www.aaf.edu.au
Support support.aaf.edu.au
Executive Committee Mr Bruce Callow, President, AAF Inc., president@aaf.edu.au
AAF Mr Heath Marks, CEO, heath.marks@aaf.edu.au

Supported by the Council of Australian University Directors of Information Technology

Supported by the Australian Government through the Department of Education and Training