



NATIONAL NEWSLETTER No 6 of 2015

Quote of the month

"If you always do what you always did, you will always get what you always got."

- **Albert Einstein**

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The next AIDN National meeting will be held on Friday 9 October in Sydney following Pacific 2015.

▶ AIDN-Australian Capital Territory

AIDN-ACT MEMBERS' NEWS



GRAHAM WINS EMPLOYEE OF THE YEAR AWARD

QinetiQ Australia's Land and Maritime Business Development Manager Graham Priestnall has been named the QinetiQ Group's Australian Employee of the Year.

QinetiQ Australia Managing Director Greg Barsby presented the award, on behalf of QinetiQ Group Chief Executive Officer Steve Wadey, to Graham in Canberra this month.

Greg said: "Graham embodies QinetiQ's values in everything he does. He is always driving himself and others around him to succeed. He has been chosen for his outstanding performance and leadership over the past year."

Graham has been key to the success of QinetiQ Australia's maritime business, undertaking work for maritime Defence customers while managing a geographically spread team and supporting a range of business development activities.

Graham said: "I am deeply humbled to be recognised with this award. The truth is, I haven't been successful on my own. I am surrounded by a great team of people who deserve this award and the recognition as much as I do."

This is the first time QinetiQ Group has chosen an Australian Employee of the Year. Each year, the company gives out awards to recognise individuals and teams that have demonstrated high performance.

QinetiQ has more than 6,200 employees and is based in Australia, Belgium, North America, Sweden and United Arab Emirates with operations in Canada, Turkey, Germany, Saudi Arabia, Qatar, Oman and Brunei.



QINETIQ AUSTRALIA SUCCESSFULLY DELIVERS WOOMERA TEST RANGE TECHNICAL REMEDIATION UPGRADES

QinetiQ Australia has been commended by the Capability Acquisition and Sustainment Group's Ground Telecommunications Equipment Systems Project Office (GTESPO) for delivering several technical upgrades to the Woomera Test Range in South Australia at short notice.

The upgrades, which included the modernisation of the voice recorder, an upgraded intercom and new radio interfaces, were originally planned for next year, 2016, but were brought forward to meet operational requirements.

Michael Hartas, QinetiQ Australia Team Lead for Ranges said, "Our Ranges Team worked to an extremely tight schedule to deliver and install these four projects within a two week window that was compressed even further because of an urgent operational trial. We demonstrated to GTESPO that through QinetiQ Australia's engineering approach and understanding of range requirements, we are able to respond quickly to customer requirements to ensure a workable solution is delivered in a timely manner. QinetiQ Australia continues to be a trusted partner in the on-going operations of the Woomera Test Range. Our Range Control Safety System (RCSS) and supporting range capabilities remain world-class and capable of supporting the Range for as long as required."

Squadron Leader Ron Batcheldor, System Support Manager for the Woomera Test Range, said, "The QinetiQ Australia team was highly professional, competent and motivated in their approach to this task. The flexibility shown by QinetiQ Australia to meet GTESPO requirements and time frames, along with the positive attitude towards achieving successful capability outcomes, is greatly appreciated by myself and by my team at GTESPO." The Woomera Test Range uses QinetiQ's RCSS which is based on the company's Trials Control System installed at MOD Aberporth (UK), MOD Hebrides (UK), Andoya (Norway) and others test facilities around the world.

QinetiQ Australia supports the RCSS, which it successfully delivered in 2012, and is responsible for ensuring it remains one of the best Range systems in the world and is able to support the test and evaluation requirements of the Australian Defence Force into the future.

▶ AIDN-New South Wales

ANNUAL DINNER

The AIDN-NSW annual dinner will be held on 10 September for our Dinner this year and will be maintaining our usual high standard. We will advise details as they are confirmed.

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7 September - 11 September, 2015	Melbourne	7 March - 11 March, 2016	Sydney
12 October - 16 October, 2015	Sydney	27 June - 1 July, 2016	Melbourne

For the complete course description, or to register, visit: www.ppi-int.com/se

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▶ AIDN-NSW MEMBERS' NEWS

QUICKSTEP SECURES CONTRACT WITH LEADING GLOBAL AUTOMOTIVE MANUFACTURER

Advanced manufacturing company Quickstep Holdings (ASX: QHL) today announced that it has received authorisation for its first global automotive OEM* project. A production order is expected within weeks from a leading global car manufacturer. The niche volume order to produce a series of up to 1,000 lightweight carbon fibre engine compartment parts is expected to begin production in early 2016.

Quickstep managing director, David Marino, said: "We are delighted to have secured another contract for the automotive sector. Under the contract, we will manufacture carbon fibre components in a comparatively short time frame. Importantly, this demonstrates our serial production capabilities and represents early success for the first phase of our automotive strategy. Over the next eighteen months, we will target small volume automotive projects, of about 500 to 2,000 parts per annum, as we increase our volume capability to secure larger projects."

Quickstep has developed two patented technologies for the manufacturing of composite components. The Qure technology is a patented process which manufactures carbon fibre composite components to clients' production and volume specifications. It uses the company's Resin Spray Transfer (RST) technology to create carbon fibre parts with a 'Class A' surface finish more efficiently than traditional composite manufacturing systems. These processes are the building blocks upon which Quickstep is

developing RapidQure, a higher volume, lower cost composite manufacturing process to address higher volume manufacturing opportunities. The current project represents a logical step along this pathway to becoming a significant supplier to the automotive industry.

The new contract further strengthens Quickstep's automotive credentials, building on its letter of intent to deliver carbon fibre composite components for Thales Australia's Hawkei protected mobility vehicle and will be first program to go into production for its newly established Automotive Division, based in Waurin Ponds, Victoria.

▶ AIDN-Northern Territory

AIDN-NT MEMBERS' NEWS

TROOPS ARRIVE IN THE NORTHERN TERRITORY FOR AUSTRALIA'S BIGGEST COMBINED MILITARY EXERCISE TALISMAN SABRE

Troops have begun to arrive in the Northern Territory for Talisman Sabre, Australia's biggest combined military exercise, which begins on Sunday.

The biennial event will see about 18,800 Navy, Army and Air Force personnel from Australia and the US taking part in the Territory part of the exercise, both on land and at sea.

Australian Army Brigadier Robert Brown said there would be an amphibious landing at Fogg Bay involving both American and Aussie troops before they move towards the Bradshaw Training Area.

These troops will be supported by a number of naval ships including HMAS Choules and aircraft carrier USS George Washington.

"This year a larger portion of the exercise will be staged in the Top End," he said.

"For 2015, the focus of the exercise, particularly air and maritime operations, will be in the North Australian Range Complex, Timor and Arafura seas however, a number of land activities will continue to be carried out at training areas in the East Australian Range Complex in Queensland."

A public open day will be held at the Darwin Showgrounds on Sunday and there will be heightened military activity in the Darwin region.

Talisman Sabre will be run in the Northern Territory and Queensland from July 5 to 21

NEW AIDN-NT WEBSITE COMING SOON:

AIDN-NT has been successful in obtaining a Northern Territory Government Grant for the development of a state of the art website to support businesses in the Northern Territory to achieve their defence industry goals.

This new website will ensure that AIDN-NT has an 'Industry Development Tool' as a vehicle to perform its MISSION: - "To work in partnership with all stakeholders to develop, promote, represent and connect the capability of the NT Defence Support Industry, whilst capturing an annually increasing share of NT Defence operations spending, to ensure the generation of ongoing and substantial benefits for those stakeholders.

▶ AIDN-Queensland

EVENTS

AIDN-Qld July Meeting on Thursday 16 July 15 at 1730hrs at TR VMS Calibration Laboratory

72 Donaldson Road Rocklea QLD 4106





Austest Laboratories offers the most comprehensive and publicly available environmental, EMC and electrical testing facilities in Australia and New Zealand. This includes the most up to date EMC facilities, vibration and shock equipment, climatic chambers, pressure and altitude simulations and many others covering requirements of all commonly used defence specifications such as MIL-STD-461, MIL-STD-810, MIL-STD-167, MIL-STD-202, DEF-STAN 00-35 etc.

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| • MIL-STD-202G* | • RTCA/DO-160* |
- * including previous versions

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DEFENCE EXTENDS HELICOPTER ENGINESUPPORT CONTRACT WITH APA

Asia Pacific Aerospace (APA) has signed a contract extension with the Commonwealth to continue supporting the GET700 engines installed on Seahawk and Black Hawk helicopters.

APA has continuously supported these engines since 2002 in its purpose built facility, containing a correlated engine test cell. APA will continue to support T700 for a further two and a half years under this extension arrangement.

APA also has approval from GE to support T700 engines in the Asia Pacific region and has provided support to the RNZAF, Royal Thailand Navy and Malaysia. [Courtesy of ADM](#)



DEFENCE TEAMING CENTRE (DTC)

DTC NEWS

DTC MEMBER AWARDS RECOGNISED THE ACHIEVEMENTS OF OUR DEFENCE INDUSTRY

The DTC announced the winners of the DTC Member Awards at the annual Defence Industry Dinner & Awards Ceremony on Friday 29 May.

We were privileged to have had an impressive number and quality of submissions from our members. The awards recognised companies and individuals who had significantly contributed to the development of the industry in South Australia, while showing excellence in ethical behavior, service and commitment to the defence industry.

The members were acknowledged in four categories:

Outstanding Small to Medium Enterprise (SME) Award - proudly sponsored by Defence SA: recognised an SME that has excelled in their engagement with the defence industry to build their capability and capacity to work in Defence and successfully increase their share of Defence work. This was awarded to Smart Fabrication, an engineering and specialist steel fabrication company headquartered in Port Adelaide, South Australia. A national award winning company, Smart Fabrication services a variety of industries including defence, oil & gas, water, civil, mining and marine. The company now boasts a 35,000sqm footprint across its two sites in Port Adelaide and Kilburn, 10,000sqm of undercover workshops and extensive slipways across a 170m water frontage at its Port Adelaide headquarters.

Innovator Award - proudly sponsored by Department of Industry & Science: recognised a company who has invested in research and development to produce innovative products and/or services that have contributed to building the capability of the defence industry in South Australia. This was awarded to K-TIG. K-TIG is a high speed, single pass, full penetration welding technology that eliminates the need for wire, edge beveling or skilled operators and produces flawless welds up to 100x faster than TIG welding in materials up to 16mm in thickness.

Employer of Choice Award - proudly sponsored by Defence Health: recognised a company who has demonstrated 'Employer of Choice' practices to successfully support its workforce. This was awarded to Saab Australia. 6 weeks annual leave, flexible and compressed working hours along with on-site facilities such as walking paths, a multi-purpose court for sporting activities, access to yoga classes and massage, a café offering subsidised meals, a free medical practitioner and access to a free confidential counselling service are some initiatives that have been put in place by Saab Australia in order to assist employees to balance professional and personal commitments.

Young Achiever Award - proudly sponsored by Leadership Management Australia - Bettcher: recognised an outstanding young person who is motivated, ambitious and who has excelled in building their career in the defence industry. This was awarded to Raytheon Australia's Brodie Ryan, System Safety Platform & Delivery Lead of the Air Warfare Destroyer (AWD) Alliance. This is a key leadership position within the AWD system safety program. He leads a team responsible for a number of areas of the System Safety Program including hazardous materials, verification of safety controls and technical aspects of the platform safety case.

This year's awards were strongly contested, the DTC is very proud of all nominees outstanding representatives of the State's defence industry.

"All the awardees stand as a testimony to the excellence that is our nation's defence industry, an industry we can be justifiably proud of," DTC Chief Executive Officer Chris Burns said.

COBHAM TO SUPPORT REAPER UAS IN UK, AUSTRALIA

Cobham Aviation Services will support the General Atomics Aeronautical Systems Inc. (GA-ASI) Predator/Reaper remotely piloted aircraft in Royal Air Force service, under a new teaming agreement with General Atomics that also covers future opportunities in Australia.

“Cobham and GA-ASI have been working in partnership for more than ten years to cover UAV whole life support requirements,” said Cobham Aviation Services president Peter Nottage. “This Teaming Agreement enables us to apply our specialist capabilities in supporting sophisticated, fit-for-purpose aerial platforms that perform special missions. We look forward to continuing working with our US partner to deliver such support services.”

Cobham delivers outsourced aviation services for military and civil customers worldwide through military training, special mission flight operations, outsourced commercial aviation and aircraft engineering. In Australia the company is best known for providing contracted airline services to Qantaslink, maritime surveillance for Border Protection Command and Fly In Fly Out (FIFO) personnel transport for the mining and resources sector.

“This expanding partnership with Cobham, a UK and Australian industry leader, provides Reaper operations with timely, flexible, and integrated logistics support from highly-regarded and seasoned Cobham teams,” said Frank Pace, President, Aircraft Systems, GA-ASI. [Courtesy of ADM](#)

SUBMARINE PROPULSION AND POWER SYSTEM TEST FACILITY FOR ASC

ASC has demonstrated its high-end engineering and trades skills in the design, build and operation of the innovative diesel and generator test facility at its submarine maintenance facility in South Australia.

The new facility allows this key part of the submarine propulsion and power system to be operated and proven off the boat.

As part of the preparation for ASC to deliver a two-year maintenance overhaul on HMAS Farncomb, a decision was taken to cut the submarine hull and remove the diesels and generators for workshop-based overhaul. This decision has improved work efficiency and reduced the duration of the maintenance period.

To support successful overhaul and reinstallation, a decision was taken at the end of 2013 to design and build a dedicated diesel and generator test facility at ASC North.

Twelve months later, the new facility was commissioned and the first diesel and generator set was tested prior to the end of 2014. The second and third sets were successfully tested in January and February of this year.

The team used the facility to discover and fix issues on the second and third diesel and generator sets. Without the ability to test in the new facility, these issues would have been significantly more difficult and time consuming to find and address once the submarine was in the water at the end of her Full Cycle Docking.

ASC's Business Improvement and Transformation Manager, Tim Hosking, is excited about the new facility and what it means for performance levels at ASC.

“The design, build and use of the test facility is a great example of what can be achieved when our talents across ASC are focused to improve the maintenance and schedule outcome for our customer. Given the size and complexity of this program, to successfully complete concept agreement, design, build and testing in only 14 months is a testament to the teamwork, innovation and determination of everyone involved,” Tim said. [Courtesy of ADM](#)



EVENTS

The next AIDN-Vic event will be the TKMS SEA 1000 Submarine briefing on Thursday 23 July. Contact aidnvc@aidnvc.org.au if you would like further information.

DEFENCE UPDATE AND GOLF DAY ON TUESDAY 27 OCTOBER.

Please put this date in your diary as this is a major event for AIDN-Vic and it will book out early.

Sponsorship opportunities are available by contacting aidnvc@aidnvc.org.au

Registration info will be sent out soon.

▶ AIDN-Vic NEW MEMBERS

AIDN-Vic welcomes the following new members:



Albins Performance Transmissions P/L

Albins Performance Transmissions is a supplier of heavy duty driveline solutions for the Motorsport and Defence industries.

Founded in 1978, we have over 35 years of experience supplying transmissions and driveline solutions for Motorsport vehicles competing at all levels from the weekend racer, to professional organisations.

Our products are used in vehicles competing in global events such as the Australian V8 Supercars, European GT Championships Baja 1000 and the Dakar desert races.

Albins is renowned for its high quality and durable products that customers know they can rely on. These attributes are born out of the deep culture of quality, consistency and innovation within the organisation.

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We have a department dedicated to the assembly of new transmission assemblies and the overhaul of used units that are returned for service or repair.

Stores: Albins carries stock of components to service their proprietary products that are in the field. All components are tracked via an ERP system with stock movements daily to both domestic and international customers.

Our current export market accounts for 60% of our revenue, with Defence specific sales represent 24%.

Please contact:

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CEO
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Email: stevem@albins.com.au



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BidWrite is a specialist Australian consultancy that brings together tender request and tender response expertise in one organisation to help clients buy better or win more.

The company commenced business in Perth in 2008 by directors and owners David Lunn and Nigel Dennis. With David's 25 years of procurement experience, Nigel's involvement thinking. As a result BidWrite is now a niche firm at the forefront of tendering best practice globally. In 2010, David Harvey joined as a third director from Brisbane to run our East Coast operations.

With a national focus, BidWrite has offices in Perth, Brisbane and Melbourne. Our core business is tendering. As a result we now have Australia's largest and most qualified team of full-time bid consulting professionals with a wide variety of backgrounds and experiences including engineering, defence, science, procurement, business, corporate finance, environmental studies, research, communications and government grants. You can benefit from the four core tendering services we offer on both sides (seller and buyer) of the tender transaction.

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Please contact:

David Lunn
Director
Phone: 1300 BIDWRITE
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Please contact:

Jeff Walsh
CEO
Phone: 0421 685 327
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Thomas Warburton Pty Ltd

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▶ AIDN-Vic MEMBERS' NEWS



NETHERLANDS ORDERS 12 NEW BUSHMASTERS

A dozen life-saving Bushmasters are going into production in Bendigo for export to the Netherlands, after the country's Ministry of Defence ordered new vehicles from Thales Australia.

The vehicles will complement the 86 Bushmasters previously purchased by the Dutch customer between 2006 and 2009, and will be delivered by the middle of 2016.

Thales Australia CEO Chris Jenkins said: "The Bushmaster has proven itself on operations with the Dutch military in Afghanistan, and is a vital component of their Light Brigade. This export order shows their continuing confidence in the Bushmaster, its ability to protect troops in theatre and save lives.

"It's also a tribute to the unique skills and in-depth expertise we have at our Bushmaster production facility in Bendigo, Victoria. Generating exports like this is good for us, good for our many local suppliers, and good for the economy as well."

The troop carrier variants will be fitted with additional composite armour, Remote Weapon Stations, and Thales's market-leading SOTAS intercom system.

The Dutch order, whose value remains confidential, follows other Bushmaster exports to Japan and Jamaica over the past 18 months.

GOVERNMENT APPROVES CONTRACT TO MAINTAIN ADF SMALL ARMS MANUFACTURING IN AUSTRALIA

The Australian Government has given second pass approval for project LAND 125 Phase 3C – Soldier Enhancement Version 2 – Lethality.

This project provides the Australian Defence Force (ADF) with a new AusteyrF88 rifle (the enhanced F88) and advanced ancillary devices to improve effectiveness for soldiers involved in close combat and their immediate support elements.

The ADF has used the F88 rifle since 1988. Since being introduced into service, the rifle has undergone refurbishments which have gradually enhanced the F88 capability over the past decade.

This approval improves the ADF's close combat and general combat capability by upgrading the ergonomics and balance of the rifle and increasing the mounting options for ancillary devices, such as optic sights, laser aiming devices and grenade launcher attachments.

This enables personnel to more effectively identify and engage targets with improved precision and discrimination, and enables ADF personnel to operate more safely and effectively on the battlefield.

Thales Australia has designed and will produce the enhanced F88 rifle that will be manufactured and receive heavy grade repair at a facility in Lithgow New South Wales. Maintaining a small arms manufacturing capability in Australia, the Lithgow factory currently employs 140 personnel.

The LAND 125 Phase 3C project value is approximately \$467m with the enhanced F88 rifle contract value estimated to be approximately \$100m. The signing of this contract will result in 10 direct manufacturing positions being created and the Australian Industry Content is estimated at approximately 90%.

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Wearing their new RAN Cold Weather Jacket, Seaman Star Paige Blake (right) and Seaman Star Steven Duquemin

DMO ACQUIRES NEW COLD WEATHER JACKET FOR NAVY

Royal Australian Navy (RAN) personnel will be warmer this winter thanks to a new cold weather jacket, acquired by DMO Land Systems Division's Clothing Systems Program Office.

The new 'soft shell'- style jacket, which will replace the 'doona/Stanley' coat, is in the process of being rolled-out to permanent Navy and continuous full-time service personnel.

Featuring a contemporary design, the jacket is water and wind resistant, has a removable hood and provides thermal protection in moderate to cold climates.

The jacket is being supplied by Platypus Outdoors Group of Hallam Victoria, following an open tender process.

During the selection of the jacket, sailors aboard HMAS Newcastle were consulted to get the user's perspective on design features, comfort and utility, while undertaking normal daily duties.

"The new jacket performs significantly better than the 'doona' jacket and allows for a full range of movement and flexibility under a wide range of conditions and integrates with other in-service garments," said National Fleet Manager, Personal Protective Clothing, Chris Henderson.

According to Mr Henderson, the jacket's presentation was also an important consideration during the selection process.

"This is an integral part of the uniform, so we had to ensure the jacket's design presents the Australian Navy as a modern, professional force, both to the public and to other military forces," he said.

The RAN cold weather jacket roll-out program has already commenced, with Victoria, Tasmania and South Australia personnel issued their jackets in March and April 2015, followed by units in the ACT region in May. Units in NSW and WA will be issued their jackets over the period May to June, while QLD and NT units are likely to receive theirs in late 2015.



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▶ DEFENCE INDUSTRY NEWS

BAE SYSTEMS LAUNCHES CLOUD-BASED CYBER SECURITY IN EUROPE

BAE Systems Applied Intelligence has announced that it is bringing cloud-based cyber security to commercial organisations in Europe for the first time. The company is introducing a suite of security products designed to defend against targeted attacks, including so-called 'Zero Day' attacks.

This expansion into the cloud of the company's security offering in Europe meets high customer demand for a wide and flexible portfolio of solutions – from on-premise services to cloud-based services and managed security services – to combat the ever-increasing cyber threat.

Most cyber attacks start with an email message; the first set of cloud-based products to be introduced by BAE Systems will comprise BAE Systems' Email Protection Services (EPS) which provides comprehensive protection against even the most advanced threats.

In the face of an ever-evolving cyber threat and growing budget pressures, companies are increasingly seeking better protection through advanced security platforms while requiring that costs be significantly reduced. The new services offered by BAE Systems meet this demand. They are offered entirely from the cloud, greatly reducing integration time and complexity and eliminating the need for on-premises software and hardware. Customers will gain access to the technology they need more easily and more quickly in a way that suits them.

With 70-90% of malware being unique to any single organisation, the most difficult attacks to defend against are Zero Day attacks – attacks that are unknown or have not previously been seen and that, as a consequence, require advanced defence. A core element of BAE Systems' EPS solution is Zero Day Prevention, which provides customers with the industry's most advanced protection from today's sophisticated threats. The technology is based on innovative and pioneering techniques which analyse the email in the cloud for malicious content and intent, before it reaches the recipient.

Additionally, one of the biggest risks to businesses is the threat of employees who accidentally or purposefully leak data.

Companies can identify and investigate such insider issues with the Insider Threat Prevention service, which forms part of the EPS product suite.

Dr Scott McVicar, General Manager, Commercial Solutions, EMEA, BAE Systems Applied Intelligence, said: "We are introducing European companies to protection against the most sophisticated attacks in a way that is easy to buy, consume and manage, while being delivered within short time scales, on cloud-based infrastructure and with the inherent flexibility to scale up or down, as required." *Source: UK Defence Contracts Online*

REPUBLIC OF SINGAPORE EXTENDS AIR GRADING CONTRACT WITH BAE SYSTEMS

BAE Systems has been awarded an extension to its contract to support the Republic of Singapore Air Force (RSAF) Air Grading Centre (AGC) – Flying Training Institute (FTI) from its Flight Training Academy located in Tamworth, NSW.

BAE Systems will continue to provide the RSAF with aircraft, purpose built training facilities, instructor training, student accommodation and recreational facilities until the end of 2019.

Under the contract extension, the RSAF aims to increase the number of students that undertake air grading from 220 to 240 annually. The AGC will continue to be supported by a permanent detachment of 12 RSAF personnel who, along with their families, make a valued contribution to the local Tamworth community.

During the recent AGC Contract Performance Review, the RSAF Head of Air Training, Colonel Ho Yung Peng, stated that the excellent working relationship between the RSAF and BAE Systems has delivered solid contractual outcomes to date.

BAE Systems Australia Director Aerospace Steve Drury said: "We are honoured to continue providing the Singapore Air Force with aircraft and training equipment to meet their future aircrew training needs. We welcome the RSAF's continued support for Flight Training Tamworth and BAE Systems as their on-going partner for air grading activities."

Mr Drury continued: "This extension with the RSAF maintains our broad customer base beyond the Australian Defence Force, which is an important element of our long-term flight training business in Tamworth."



BAE SYSTEMS AND SAAB AUSTRALIA JOIN FORCES IN A BID TO CREATE NEW AUSTRALIAN JOBS

BAE Systems today signed a memorandum of understanding with Saab Australia to maximise Australian industry involvement in its bid for a major combat vehicle program.

BAE Systems is the prime contractor pursuing Defence program Land 400 Phase 2 Mounted Combat Reconnaissance Capability with Patria of Finland. Saab products are inherent in the vehicle design. Joining forces with Saab Australia will allow the BAE Systems-Patria team to substantially exceed the 200 Australian advanced manufacturing jobs and \$100m in supply chain value already identified by the team for the manufacturing phase of the program. The vehicles will then be sustained in Australia for the next 30 years.

Graeme Bent, BAE Systems Australia's Director – Land & Integrated Systems, said: "With Land 400, BAE Systems seeks to strengthen Australia's advanced manufacturing capability and maximise Australian industry involvement within its supply chain. Our offer will replicate overseas success for manufacturing and sustaining the Patria Armoured Modular Vehicle (AMV), in Australia. The vehicle has been successfully manufactured in countries outside of Finland and has a strong track record for technology transfer to user nations".

Under the proposed solution, BAE Systems and Patria will fully satisfy the Army's requirements by bringing together combined strengths in the global armoured combat vehicle market. The two companies will transfer intellectual property and design artefacts for manufacture, sustainment and upgrades throughout the vehicle's life of type. Saab will provide key sub-systems

and in-service support and will further develop Australian capability in the combat vehicle market.

Dean Rosenfield, Saab Australia's Managing Director, added: "Saab is delighted to draw on its global expertise and experience to provide key sub-systems into the BAE Systems-Patria solution for Land 400. Saab already has a significant presence in Australia and this collaboration will enable us to further grow our business in the Land domain. Land 400 provides additional opportunities for local manufacture, assembly, integration and in-service support that will not only assist us to achieve these aspirations but will be vital in growing local industry capability to effectively deliver and support combat vehicles for the ADF".

The team will finalise its proposal for bid submission before providing additional information about the contribution of Australian industry.

AIRBUS BUYS NEW ZEALAND'S SAFE AIR

Airbus Group Pacific has acquired Safe Air, one of New Zealand's best known maintenance, repair and overhaul operations.

From 1 July 2015, Safe Air will become a fully integrated part of Airbus Group Australia Pacific, retaining its name, staff and operations in Blenheim, Ohakea, Auckland and Melbourne. Continued operation of the RNZAF Woodbourne facility, which handles 90 per cent of the RNZAF's heavy maintenance, is included in the agreement.

"Airbus Group Australia Pacific and Safe Air are old friends and business partners, having previously worked successfully together on a number of programs," said Dr Jens Goennemann Managing Director Airbus Group Australia Pacific. "Bringing Safe Air into the Airbus Group has long been a goal of ours as its capabilities, both technical and personnel, are complementary to those of Airbus Group and will enhance our position in the region."

Safe Air has provided heavy maintenance for the majority of the Royal New Zealand Air Force fleet since 1998, including C-130 Hercules, P-3 Orion and UH-1 helicopters. Safe Air also overhauls propellers and gas turbine engines for the RNZAF. It is an Approved Maintenance Organisation of the Royal Australian Air Force and has previously completed heavy maintenance on RAAF C-130H aircraft as well as overhauling propellers and T56 gas turbine engines. [Courtesy of ADM](#)



RAAF'S E-7A FIRST BOOM REFUELLING FROM KC-30A

The Royal Australian Air Force (RAAF) has completed air-to-air refuelling tests between its A330 MRTT, designated KC-30A in RAAF's service, and the E-7A Wedgetail, an AEW&C aircraft.

Those trials took place in the first weeks of June 2015, marking the first time the Wedgetail has been refuelled from the KC-30A.

"The ARBS on the KC-30A represents a completely new capability for Air Force." Squadron Leader Ben Goring, Executive Officer of RAAF 33SQN said. During the previous month of May, the KC-30A made the first air refuelling boom contacts being the receiver aircraft another Australian KC-30A.

Following on the clearances of the KC-30A and the E-7A as receivers the upcoming months will be busy for the RAAF as qualification tests with Singaporean F-15SG as well as F-16C/D are planned. Afterwards, a test campaign will also be carried out with the F-35A at Edwards AFB (California).

The KC-30A has already been cleared to refuel RAAF's Hornets and Super Hornets aircraft using its hose-and-drogue refuelling pods. Since September 2014, the KC-30A fleet deployed to the Middle East in Operation OKRA against the Islamic State in Iraq and Syria has offloaded more than 10,000 tonnes of fuel to both RAAF and coalition receivers such as Rafale, Harrier II or Tornado.

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Next Delivery: 19 - 21 October 2015, Canberra



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ADF TRAINS ON WASP SMALL UAS

Australian Defence Force personnel have begun training with the AeroVironment Wasp small unmanned aircraft system.

The ADF placed an A\$7.7 million order in December last year as part of an Army Soldier Modernization Trial procurement.

The Wasp AE weighs 1.3 kilograms, operates for up to 50 minutes at a range of up to five kilometres and delivers live, streaming colour and infrared video from its pan-tilt-zoom gimballed payload. Launched by hand and capable of landing on the ground or in fresh or salt water, the Wasp AE provides portability and flexibility for infantry, littoral or maritime reconnaissance operations.

"The man packable Wasp AE unmanned aircraft system delivers powerful intelligence, surveillance, and reconnaissance on demand and directly to small tactical units or an individual warfighter," said Kirk Flittie, AeroVironment vice president and general manager of the company's Unmanned Aircraft Systems business segment.

AeroVironment has delivered more than 25,000 new and replacement small unmanned aerial vehicles to customers within the United States and to more than 30 international governments. [Courtesy of ADM](#)

HARRIS ESM SYSTEM TESTING FOR ADF COMPLETE

Harris Corporation has successfully completed factory acceptance testing of the first two electronic support measures (ESM) systems produced for the Australian government under a \$102 million contract awarded in March 2013.

Harris will provide its ES-3701 ESM suite for the Royal Australian Navy's Anzac class frigates, Canberra class landing helicopter dock ships and land stations. The ESM suite will enhance the country's national defence and electronic warfare (EW) capabilities throughout the Pacific and Indian Ocean regions.

The ES-3701 is the ideal ESM system for submarines and surface ships and is widely deployed with allies around the world. Employing a circular array interferometer antenna, it provides precise direction finding over a 360-degree azimuth and at high elevation, while maintaining the highest probability of interception. Through digital technology and modern signal processing, the system intercepts, measures and identifies complex signals in dense radio frequency environments, even in the presence of interfering signals. [Courtesy of ADM](#)

NEW FMS FOR ADF MISSILES

The US State Department has made a determination approving a possible Foreign Military Sale (FMS) to Australia for AGM-88B High Speed Anti-Radiation Missiles and associated equipment, parts and logistical support for an estimated cost of US\$69 million.

The Defense Security Cooperation Agency (DSCA) delivered the required certification notifying Congress of this possible sale on June 19, 2015.

The Government of Australia has requested possible sale of up to 14 AGM-88B High Speed Anti-Radiation Missiles (HARM) Tactical Missiles, 16 AGM-88E Advanced Anti-Radiation Guided Missiles (AARGM) Tactical Missiles, four CATM-88B Captive Air Training Missiles, eight CATM-88E Advanced Anti-Radiation Guided Missiles (AARGM) Captive Air Training Missiles, six AARGM Guidance Sections, five AARGM Control Sections, and two AARGM Tactical Telemetry Missiles (for live fire testing), containers, spares and repair parts, support equipment, publications and technical documentation, personnel training and training equipment, US Government and contractor engineering, technical, and logistics support services, and other elements of logistics and program support.

The principal contractor will be Orbital ATKDefense Electronics Systems in Northridge, California. There are no known offset agreements proposed in connection with this potential sale. Implementation of this proposed sale will not require the assignment of contractor representatives to Australia.

And as always, the standard DSCA disclaimer applies; This notice of a potential sale is required by law and does not mean the sale has been concluded.

The AGM-88 High-speed Anti-Radiation Missile (HARM) is a tactical, air-to-surface missile designed to home in on electronic transmissions coming from surface-to-air radar systems. It was originally developed by Texas Instruments as a replacement for the AGM-45 Shrike and AGM-78 Standard ARM system. Production was later taken over by Raytheon when it purchased the defence production business of Texas Instruments.

The AARGM family can be integrated on the FA-18 C/D, FA-18 E/F, EA-18 G, and Tornado ECR aircraft. It is also compatible with the F-35, EA-6B, and F-16 aircraft. [Courtesy of ADM](#)



A Royal Australian Air Force F/A-18 Hornet in flight with two JDAM-ER 500lb bombs and two Time Space Position Information pods.

DSTO COLLABORATION DELIVERS ENHANCEMENT TO SMART BOMB TECHNOLOGY

A Royal Australian Air Force F/A-18 Hornet in flight with two JDAM-ER 500lb bombs and two Time Space Position Information pods. A significant milestone has been achieved with the delivery of the first production set of Australian designed and manufactured Joint Direct Attack Munition-Extended Range (JDAM-ER) wing kits.

Developed by DSTO scientists, the wing kit technology consists of a set of deployable wings which converts a standard JDAM into a long range glide bomb, capable of striking a target with pinpoint accuracy at up to three times the range of the original weapon.

DSTO conceived the idea many years ago for a low-cost, standoff weapon consisting of a strap-on wing kit, Inertial Navigation System (INS) and movable tail unit to increase the range and accuracy of a basic MK-82 weapon. Preliminary designs and subsequent developmental test and evaluation flight trials in the 1980s and 1990s were used to refine the initial concept.

By the late 1990s Boeing had developed the JDAM – a tail kit containing a GPS navigation unit and movable control surfaces – and in 2001 Boeing approached DSTO with a proposal to combine the JDAM with the DSTO wing kit to create the JDAM-ER.

A successful Concept Technology Demonstrator (CTD) Project concluded with flight trials in 2006 and 2008, demonstrating a significant range extension for the JDAM using the DSTO wing kit technology.

The Defence Materiel Organisation joined the partnership with DSTO and Boeing in 2009 to adapt the technology for production, conduct final certification of the JDAM-ER and acquire the wing kits for the Royal Australian Air Force (RAAF).

The development of the JDAM-ER is a direct result of the collaboration between DSTO, Boeing and DMO and represents the successful marriage of technologies to deliver a cost-effective innovation and enhancement to Defence capability.

MELBOURNE FIRES EVOLVED SEA SPARROW MISSILES

The Royal Australian Navy Adelaide class frigate, HMAS Melbourne, has successfully fired two Evolved Sea Sparrow Missiles, reinforcing her war-fighting and mariner skills.

The missile firings were conducted off the coast of New South Wales on 24 June against two unmanned aerial targets launched from the Beecroft Range at Jervis Bay.

Melbourne's MK-41 Vertical Launch System deployed the missiles, controlled in flight, resulting in a successful engagement with the target as part of her operational training program.

Navy ships conduct mariner and war-fighting training all year round to prepare for operational duties and Commanding Officer Melbourne, Commander Bill Waters, said the firing proved the effectiveness of the frigate's combat systems.

"We do extensive simulation, but by conducting a live missile firing we validate this training and prove the accuracy and precision of our combat systems," CMDR Waters said.

The Evolved Sea Sparrow is a medium-range, semi-active homing missile that makes flight corrections via radar and midcourse data uplinks. It can be used against surface-to-air and surface-to-surface targets. The missile is part of the suite of weapons used by Australian frigates.

Later this year, Melbourne will deploy to the Middle East as part of Operation MANITOU where she will support efforts to counter and deter terrorism and the trade of narcotics.

MANITOU is the Australian Defence Force's maritime security contribution to the international effort to promote security, stability and prosperity in the Middle East region.



RADM Clinton Thomas, Chairman of ADCU Board and John Ford CEO ADCU

AUSTRALIAN MILITARY BANK - MORE THAN A NAME CHANGE

Australian Defence Credit Union Limited (ADCU) has taken a major step, building on its commitment to the Defence Community, by revealing plans to change its name to Australian Military Bank Ltd.

CEO John Ford said that the move to rebrand as Australian Military Bank forms part of the organisation's greater strategy for ongoing growth and commitment to improvement.

"It's not just about a name change. Member expectations are rising in terms of access and timeliness. In response, ADCU has made a considerable investment over the past two years to enhance our service offering and relevance to members." CEO John Ford said.

ADCU has recently released a new mobile banking app, mobile optimised website and online application system. Mr Ford said "We have substantially improved our digital service delivery and are continually looking at ways to speed up our loan processes from application to fulfilment."

"Becoming a mutual bank is the next major step in delivering on our brand promise which includes being dedicated to serving the Defence Community".

"We increasingly find young Defence recruits don't understand what a credit union is, whereas the word 'bank' is generic and readily understood. We believe that Australian Military Bank will clearly communicate who we serve and what we do".

Chairman of the ADCU Board, RADM Clinton Thomas said "Strong support for our new brand within the Defence Community is critically important to us." "For this reason, we commissioned independent research with members of each of the three (3) Defence services".

"We researched a variety of names and our members expressed a strong preference for the name Australian Military Bank. They viewed it as strong, unambiguous and patriotic."

The Board of ADCU is recommending members vote in favour of the name change at the Annual General Meeting in October. If passed and subject to approval from the Australian Prudential Regulation Authority (APRA), for the unconditional use of the restricted word 'bank', ADCU will convert to a Mutual Bank from 1 December 2015.



NEW ZEALAND ACCEPTS FINAL RHEINMETALL VEHICLE

New Zealand has accepted the last of 194 vehicles and specialist trailers acquired from Rheinmetall MAN Military Vehicles Australia for the new Medium and Heavy Operational Vehicles fleet (MHOV).

The fleet includes 6-tonne (4x4) 9-tonne (6x6) and 15-tonne (8x8) platforms in ten variants. All can be fitted with applique armour, weapon mounts and a communications fit whilst specialist vehicles are fitted with a range of mechanical handling equipment or bodies such as cranes, palletised load handling equipment, load sensors and winches. Specialist variants include dump trucks and tractor units.

New Zealand has deployed elements of the MHOV fleet to Australia via strategic sealift ship HMNZS Canterbury to participate in Exercise Talisman Sabre, the biennial combined Australian and United States training activity. New Zealand and Japanese forces will be taking part for the first time. The exercise is designed to train the respective military forces in planning and conducting Combined Task Force operations to improve the combat readiness and interoperability between forces. RMMVA will provide logistic support for New Zealand's trucks during this exercise.

Chief of the New Zealand Army, Major General Dave Gawn, said the MHOVs were a major leap forward in capability and technology for the NZDF.

"Across a range of employment contexts, the MHOV offers us a significantly enhanced logistics and movements capability as a land force for the future," he said. "Further to the normal troop and equipment carrying roles, additional vehicles are fitted with winches and cranes which will enable fully independent operations." [Courtesy of ADM](#)

▶ GENERAL NEWS

PERSONNEL CHANGES

QinetiQ Australia recently announced the appointment of Shane Fairweather as Strategy Director. Shane has extensive experience in business development and capture management in the Defence market and, in this role, he will assist with QinetiQ Australia's growth strategy.

ISABELLE FLORET, Airbus' senior vice president of sales for the Pacific, is leaving Sydney, her base for several years, to return to the AirbusHQ at Toulouse. During her time in the Pacific region she won some significant airliner sales campaigns. Ms Floret also dealt with Airbus sales in Hong Kong with Cathay Pacific. Airbus will not say whether the position will stay in Sydney, somewhere else in Asia or the work be carried out from the Airbus HQ.

AIRBUS HELICOPTERS STRENGTHENS INDIAN INDUSTRY TIES

Airbus Helicopters will partner with Mahindra Defence Systems to produce indigenous military helicopters for India as part of the country's 'Make in India' initiative, it announced on 3 July.

The two companies will enter discussions for finalising a joint venture to target Indian military helicopter requirements, including the naval multirole helicopter, naval utility helicopter and reconnaissance and surveillance helicopter.

The future joint venture will be the first private Indian helicopter manufacturer under the 'Make in India' initiative.

Guillaume Faury, president and CEO, Airbus Helicopters, said: 'We have an unparalleled track-record of successful industrial collaborations with local partners across the world. We are convinced that with Mahindra we will not only have a mutually rewarding association but one which will offer immense benefits to India.

'The tie-up is in line with our intent to develop an indigenous industrial ecosystem for helicopters. The joint venture will be dedicated to supplying the Indian armed forces with made-in-India, state-of-the-art helicopters of high reliability, quality and safety standard based on combat-proven platforms.'

S P Shukla, group president, aerospace and defence sector and chairman, Mahindra Defence Systems, said: 'This arrangement between two established and trusted industrial players will create a formidable partnership.

'We have extensive expertise in engineering, automotive and fixed-wing sectors and have made substantial investments in aero components manufacturing, while Airbus Helicopters offers best-in-class rotorcraft platforms. Together, we will produce India's next-generation helicopters that will not only answer our country's defence needs but will also have the potential for exports in the future.'

ENVIRONMENTAL WORKING GROUPS

Environmental Working Groups are administered through the Govdex website. Registrations for attendance, meeting agendas and useful environmental information such as Capability Development contact officers can be undertaken/sourced at this site.

For members who are not already members of the EWGs via Govdex please contact AIDN sue.smith@aidn.org.au for assistance with registration.

Aerospace Environmental Working Group (AEWG)

The AEWG was held on Thursday 26 February 2015 in conjunction with the Avalon Air Show 2015. The date for the next meeting will be advised when known.

Land Environmental Working Group (LEWG)

The LEWG was held in Brisbane during Land Forces 2014 on 22 September 2014. The date for the next meeting will be advised when known.

Maritime Environmental Working Group (MEWG)

The next of MEWG will be a Virtual MEWG on Wednesday 15 July 2015. The Panellists will be on-line from 0830 -1230. Please log into GOVDEX for more information.

C4ISREWG Environmental Working Group

The C4ISREWG Environmental Working Group meeting was conducted 09 September 2014 in Canberra. The date for the next meeting will be advised when known.

Synthetic Environmental Working Group (SEWG)

The next meeting of the SEWG was conducted on Thursday 12th March 2015 in Canberra. The date for the next meeting will be advised when known.

ADM Defence Estate and Base Services Summit

Enhancing innovation in defence service delivery

DATE: 22 September 2015, Canberra

ENQUIRIES: ADM Events – Adam Wiltshire

TEL: 02 9080 4321

EMAIL: adam.wiltshire@informa.com.au

Faced with the biggest reform for 40 years, budget cuts and organisational change, Defence is presented with a new paradigm – how to effectively innovate and deliver value for money services to support our armed forces in the wake of a changing fiscal and operating environment.

Effective partnering between defence and industry will continue to be critical to fostering a culture of innovation, constructive reforms and the achievement of mutually beneficial outcomes in the provision of defence support services.

ADM Defence Estate and Base Services Summit will have a theme and focus on ‘Enhancing innovation in defence service delivery’ and will examine the 2015 White Paper, the First Principles Review and what this means, current & future reforms, total asset management, BIM in defence and non-materiel procurement.

Northern Australia Defence Summit

DATE: 28-29 October 2015, Darwin

ENQUIRIES: ADM Events – Adam Wiltshire

TEL: 02 9080 4321

EMAIL: adam.wiltshire@informa.com.au

As Northern Australia continues to establish itself as a key military and strategic region for the ADF and its partners, further investment is needed to support the multitude of major defence projects and the necessary infrastructure

Safeskies 2015 Conference

LOCATION: Canberra, ACT

VENUE: Hotel Realm

DATE: 23 Sep – 24 Sep, 2015

ORGANISER: Safeskies

PHONE: 02 6281 6624

EMAIL: safeskiesconference@conlog.com.au

The Safeskies Conference is regarded as one of the most pre-eminent aviation conferences in Australasia and globally by the aviation safety industry as an outstanding and highly informative event.

Safeskies Australia Conference was presented the Federation Aeronautique Internationale prestigious aviation award, the Honorary Group Diploma for Aeronautics in 2010.

The Safeskies Conference facilitates the exchange of information and ideas between regulators, investigators, governments, civil and military aviation operators and academia.

MilCIS 2015

DATE: 10-12 November 2015, Canberra

WEB: www.milcis.com.au

MilCIS is a unique opportunity for those investing in government and military communications and information systems.

The conference facilitates a continuing dialogue between Department of Defence employees, contractors, industry and researchers to discuss current and developing technological capabilities, project initiatives, and

PACIFIC 2015 6 - 8 October 2015, Sydney

Web: www.pacific2015.com.au

The PACIFIC 2015 International Maritime and Naval Exposition is a unique marketing, promotional and networking forum. Scheduled to coincide with the Royal Australian Navy's annual Navy Week celebrations, PACIFIC 2015 will be a comprehensive showcase of the latest developments in naval, underwater and commercial maritime technology.

New Zealand Defence Industry Association Forum

DATE: 17 – 18 November 2015

LOCATION: TSB Arena/Shed 6 complex, Wellington, New Zealand

CONTACT: contact@nzdia.co.nz

For more details on overseas events please check the AIDN web site under Whats News/Defence Information.

required for their operation. The north operational requirements.
has proven to be an attractive and
resourceful location for defence/industry
with close links to the Asia Pacific, a
strong economy, existing military
presence & capabilities, and accessible
land which together provide many
opportunities for growth and
development in the region.

We are currently in the process of
developing the 3rd Annual Northern
Australia Defence Summit program. If
you are interested in getting
involved, please contact us.

Submarine Institute of Australia
Technology Conference

DATE: 17-19 November, 2015, Adelaide
Convention Centre

ORGANISER - David Nicholls
(Executive Manager)

TEL: 0413 133 391

FAX 02 8076 3262

WEBSITE:

<http://www.submarineinstitute.com/sia-conferences>

Postal Submarine Institute of Australia,
PO Box 180, Kippax ACT 2615

Over three days a wide range of issues
will be addressed reflecting the theme
of the Conference: The Future
Submarine: Australia's greatest Science,
Technology and Engineering
Challenge? In a year where the
Government has promised to select its
design partner for the Future Submarine,
the Conference acts as a pivotal week in
the submarine calendar. The program
includes tours of submarine-related
industry and academic institutions, an
Opening Reception and three days of
high quality presentations from the
cream of the submarine community.

For more details on overseas events please check the AIDN web site under Whats News/Defence Information.

AIDN ACTIVITIES LIST FOR 2015

July	23	TKMS SEA 1000 Briefing	AIDN-Vic
September	10	AIDN-NSW Annual Dinner	AIDN-NSW
October	27	AIDN-Vic Defence Update & Golf Day	AIDN-Vic

Contact your local AIDN Chapter for more info on the above activities:

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xo@aidnnt.com.au

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winston.bucknall@gmail.com

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kevjcar@tpg.com.au

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DTC
Phone: 08 8260 8256
business@dtc.org.au

AIDN-WA
admin@aidn-wa.org.au

Have you got a story or a news item to tell?

Anything from a recent success story to a new product or service, we want to hear about it.

Why? So we can tell all our Member Companies about it, and also the many other people with an interest in the defence, security and aerospace sector who receive the AIDN Newsletter.

Articles are to be limited in size and submitted by email to sue.smith@aidn.org.au. This is a free service to members.

CAN WE HELP YOU?

If you would like any further information or require any assistance with defence industry issues, please contact the AIDN office:

AIDN, PO Box 334, Ashburton Vic 3147,
Ph: 03.9885 0907

admin@aidn.org.au

ABN: 37 252 416 031 ARBN 115 614 803

www.aidn.org.au

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Would you like to assist yourself and AIDN by advertising in the newsletter? The newsletter is circulated to more than 800 defence related companies in Australia, as well as Overseas Associations and key DMO decision makers. Advertisements of one column wide by half a column long can be booked at **\$185+GST** per issue for members. Please contact Sue Smith to book your advertisement. We will continue to print newsworthy information for free under Members' News.
sue.smith@aidn.org.au.

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