

ADM DEFENCE WEEK PREMIUM EDITION

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The NZDF will acquire four P8-As to replace six Orions.

RNZAF VIA TWITTER

NZ selects P-8A for future air surveillance capability

Nigel Pittaway | Melbourne

New Zealand's Defence Minister Ron Mark announced this week that the Coalition government has selected the Boeing P-8A Poseidon maritime surveillance aircraft to fulfil its Future Air Surveillance Capability (FASC) requirements.

The announcement on July 9 covers the purchase of four P-8As to replace the RNZAF's fleet of six Lockheed Martin P-3K2 Orions, which first entered service in 1966 and are expected to reach their life of type in 2025.

The aircraft will be delivered in time to begin operations with the RNZAF's No.5 Squadron in 2023. Currently based at RNZAF Base Auckland (Whenuapai), 5 Sqn will relocate to RNZAF Ohakea in time to commence P-8A operations.

According to the NZ government, the deal is valued at NZ\$2.36 billion (AU\$2.17 billion) and will also include the purchase of training systems, infrastructure and entry into service costs. The press release accompanying the announcement stated that the capital cost will be spread over several fiscal years, out to 2025/26, and that Wellington

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considered the P-8A to be the “most cost-effective maritime patrol aircraft available.”

“The purchase ensures the Defence Force can continue to deliver the country’s maritime surveillance, resource protection, humanitarian and disaster response around New Zealand and across the South Pacific,” Mark said.

The decision strengthens the Coalition government’s Pacific Reset by providing a maritime patrol capability with the significant range and endurance needed to assist partners in the region.

“The purchase enables NZ to continue to deploy in a wide range of airborne maritime situations independently, and when required, work effectively with partners including Australia, the UK and the US, which all operate, or will operate, the aircraft.”

Besides Australia, which has now received seven of the 12 P-8As it currently has on order, the Indian Navy also operates the very similar P-8I Neptune version in our region. On June 25, South Korea’s Defense Acquisition Program Administration (DAPA) also announced that it would seek to purchase an unspecified number of P-8As from the US Government via the Foreign Military Sales process, rather than run an open competition.

The NZ and South Korean decisions come as a blow to Saab, which is looking for a launch customer for its Swordfish MPA platform, based on the Bombardier Global 6000 business aircraft. Airbus Defence and Space had also offered the MPA version of its successful C-295 turboprop military transport to both countries.

The NZ government’s announcement also flagged the future purchase of a complementary maritime surveillance capability to provide additional surveillance within NZ’s Exclusive Economic Zone (EEZ) and therefore free up the P-8A for blue water surveillance and anti-submarine warfare (ASW) tasks.

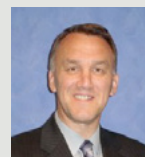
“The complementary capability will consider smaller manned aircraft, remotely piloted aircraft systems or satellites,” Mark said.

ADM Comment: The P-8A juggernaut rolls on, with the aircraft now establishing itself as the platform of choice for countries seeking a high-end ASW and maritime surveillance platform, but it is hoped that its recent success in the Asia-Pacific region will also yield savings and synergies for partner nations. Australia, for example, has established a high quality (and expensive) P-8A training centre at RAAF Edinburgh and we assume there is capacity to make these facilities available to friends and neighbours like NZ, therefore reducing the through-life costs of the Poseidon for both countries.

“The aircraft has now established itself as the platform of choice for countries seeking a high-end ASW and maritime surveillance platform”

PEOPLE ON THE MOVE

Terry Miles, currently head of Quality and Business Services at RUAG Australia, has been appointed as General Manager Operations Australia. He will lead RUAG’s production capabilities across Australia to ensure ongoing delivery of products and services in line with the needs of a dynamic and evolving customer base. John Teager, now VP Strategic Partnerships & Growth Australasia, will continue to be RUAG’s principal representative in Australia.



NZ spells out strategic threats and priorities

Ewen Levick | Sydney

As news arrived that New Zealand will purchase four P-8A Poseidons, the Coalition government also released its [Strategic Defence Policy Statement](#). The document outlines the role of the NZDF and challenges it will be asked to face in the near future.

The fundamentals of NZ's defence policy remain unchanged. The NZDF's core remit is to protect NZ's territory and deploy power to a wide swathe of the Earth's surface, ranging from the Ross Dependency in Antarctica to sparse islands dotted along the Equator.

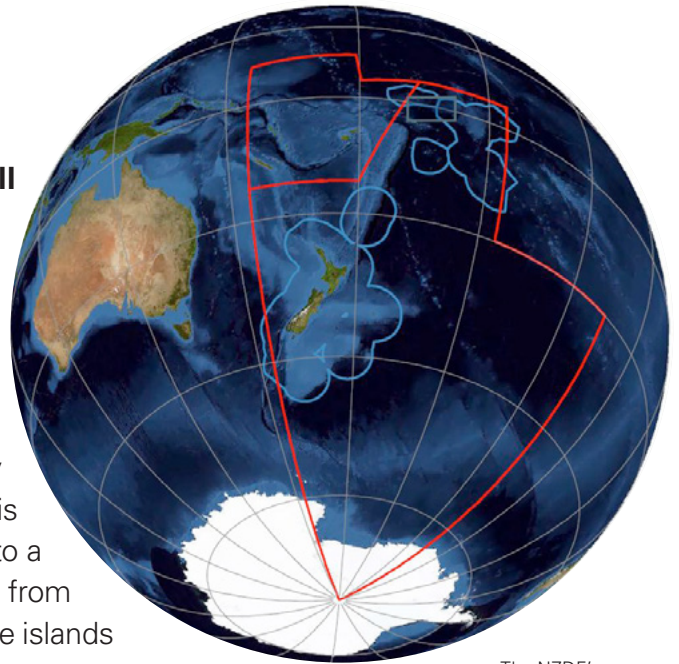
The size of this area of operations poses enormous challenges. If the NZDF's area of responsibility were transposed to the northern hemisphere, it would extend from the North Pole to southern Uganda. This is a big ask for a small military, which is operating across these vast distances in the face of increasingly adverse weather.

Yet there is no rest for the weary. The Statement foresees that the NZDF will be asked to undertake an "increasing number of routine and non-routine interventions in NZ's neighbourhood," particularly related to identifying and responding to maritime activities. It is no surprise, therefore, that the Statement explicitly highlights "maritime awareness and response" as one of three key capability areas requiring attention. The acquisition of four P-8As is a step in this direction.

The choice of P8-As, of course, has the additional benefit of maintaining a high level of interoperability with Australia. This remains one of NZ's foremost strategic priorities – Australia is mentioned 31 times in the 40-page document. The Statement asserts that "NZ has no better friend than Australia" and reaffirms NZ's commitment to "responding immediately should Australia be subject to an armed attack."

Interestingly, far less attention is paid to the US, and the attention that is paid is often ambiguous. The statement mentions that "uncertainty about the future international role of the US has disruptive implications." Although the document touches upon US efforts to support regional peace and security, it swiftly follows with references to the US withdrawal from the Trans-Pacific partnership and the Paris climate agreement. The unspoken implication is that Auckland will seek to invest in security relationships with other partners and in its own operational independence.

The second capability area the document identifies for improvement is Defence's ability to secure NZ's access to space. However, whilst the Statement



The NZDF's area of interest. NZDF

makes explicit reference to the NZDF's responsibility to ensure the physical safety of Earth-based infrastructure, it does not go into meaningful detail on what the equivalent responsibility is in space. It also blurs the domains of space and cyberspace in a way that risks overlooking physical threats to satellites and other space infrastructure.

In addition, the document acknowledges that NZ relies entirely on foreign space infrastructure for access to critical systems (including GPS). The Statement asserts that continued access to these systems depends on "the development of international norms that influence behaviour in space." Yet the Statement's

core argument is that the rules-based global order is under unprecedented pressure from "disruptive forces" and "pursuits of spheres of influences." The belief that international norms for responsible space behaviour will somehow emerge in the face of this pressure is self-contradictory and a serious strategic oversight.

The third capability area identified for improvement is cyber. The Statement notes that the 2016 White Paper did not expand the range of activities Defence was able to undertake. It seeks to address this shortcoming without treading on the toes of the Communications Security Bureau.

Overall, the Statement makes clear that NZ now looks out on a region that seems less stable than it once was. Numerous forces are eroding this stability; encroaching Chinese influence, attacks on Western liberalism and open societies from within, climate change, and complex disruptors to the nature of conflict

that threaten open states and weak states. Although the three highlighted areas for improvement provide valuable focus, the Statement is less clear on exactly how NZ will rise to this challenge beyond reaffirming its reliance on a weakening rules-based global order.

"The Statement foresees that the NZDF will be asked to undertake an increasing number of routine and non-routine interventions in New Zealand's neighbourhood"



No. 3 Squadron drop off soldiers from 2/1 RNZIR Recon platoon with an NH90 helicopter during Exercise Delta Patrol on the West Coast.
RNZAF VIA TWITTER

How to speed up clearances: AGSVA discussion paper

Katherine Ziesing | Canberra

Ask anyone in Defence industry about the biggest issue when it comes to workforce and security clearance is inevitably in the top three challenges.

“AGSVA's average timeframe for completing PV clearances has increased significantly”

All security clearances from the Australian government were centralised in 2010 in order to streamline the process and save some dollars under a single body: the Australian Government Security Vetting Agency (AGSVA) in the Department of Defence.

A 2015 ANAO [report](#) into the move did not paint a great picture when it came to fulfilling the brief.

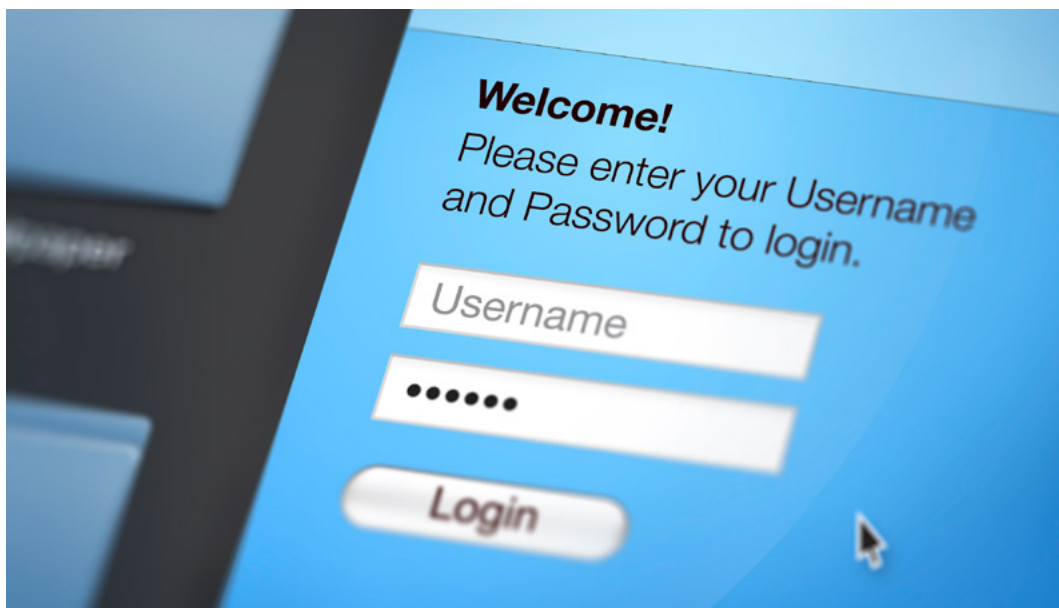
The ANAO found the establishment of centralised vetting through AGSVA in 2010 had delivered “mixed” results in terms of performance and efficiency, with expected annual savings of \$5.3 million failing to materialise.

“AGSVA collects and analyses information regarding personnel security risks, but does not communicate risk information to entities outside the Department of Defence or use clearance maintenance requirements to minimise risk,” according to the new report.

“Since the previous ANAO audit, AGSVA’s average timeframe for completing Positive Vetting (PV) clearances has increased significantly.”

A follow up ANAO [report](#) released in May this year also questions how effective the current framework is in dealing with insider threats and there are significant issues with how AGSVA does its job.

In an effort to address the issues, AGSVA released a discussion paper via AusTender in April this year to engage with industry about what can be done. Simpler procurement arrangements are the name of the game and suppliers among the 23



The speed and cost of security clearances has been a bugbear for the Defence community for many years.

GETTY

who currently have contracts with AGSVA have proposed better ways to structure contracts, improvements to the way the agency allocates and pays for jobs, as well as alternatives for training and certification of outsourced vetting services.

Those 23 companies have seen a significant increase in those seeking new clearances and keeping current clearances up to date (see table 1).

Table 1					
Year	Baseline	NV1	NV2	PV	Total
2014/2015	13996	14869	6078	702	35615
2015/2016	18217	17487	6246	922	42872
2016/2017	20505	19200	5265	1501	46471

The increase in demand for clearances has seen work going out to the AGSVA's network of 23 industry partners increase year on year: \$19.5 million, \$25.3 million and \$26.9 million for the years above, representing an average of about 15 per cent growth per year. An estimated \$31.6 million is forecast for 2017/2018, a 17 per cent increase from the previous year.

The call for responses saw 29 respondents look at the art of the possible in reducing times and costs. The aim is to reduce clearance times to levels not seen for quite some time. In the future, the agency wants to set ambitious benchmarks, like 10 business days for the return of baseline clearance reports, 40 for Negative Vetting 1, 50 working days for NV2 and 80 for Positive Vetting.

A wider set of reforms to the [Protective Security Policy Framework](#) (PSPF) that were slated to come into effect on July 1 have been delayed until October 1, and the transition period for certain elements of that — such as new document classification rules — has been extended to October 2020.

ADM will keep an eye on the AGSVA process moving forward and how the PSPF will affect the Defence community.

“Simpler procurement arrangements are the name of the game”

TOP COMMENTS

[BAE Systems Australia wins Future Frigates under Sea 5000](#)

Hunter-class needs a double hangar with side-by-side doors. The images included in early press reports imply the Hunter-class will have arrangements tailored to satisfy the RN which routinely operates with one ASW helicopter per escort. Those arrangements are fundamentally inadequate for sub hunting. Since 1991 every destroyer-size warship built for the USN has been configured to operate two medium-size ASW helicopters. The hull of the Type 26 and Hunter-class frigates has a design length of 150m and a maximum beam of 20.8m. That beam is clearly adequate for a double hangar. **—DJAC**

I don't think we should be chopping and changing a design that hasn't even been built yet, especially when they can already carry two Seahawks if required without any modification. Remember, we may have 24 MH-60R's but only eight are available for deployment at any given time. **—Joel**

The consequences of a US troop withdrawal from Germany

Jacky Westermann | Canberra

A recent [Washington Post](#) article raised some eyebrows in Germany. The authors claim that the Pentagon has been undertaking a cost analysis of keeping US troops in Germany.

The White House, as well as President Trump's ambassador to NATO [Kay Bailey Hutchison](#), were quick to deny any potential thoughts of ordering back the troops or relocating them to Poland (allegedly two options being evaluated).

Pentagon spokesman Eric Pahon stated that cost-benefit assessments were undertaken routinely. However, reports suggest that Trump was surprised to hear the number of active-duty military personnel stationed in Germany earlier this year.

The number of US troops in Germany has been decreasing constantly since the end of the Cold War. Only since Russia's annexation of Crimea has the US presence seen a slight increase to support NATO's rotating missions in Central and Eastern Europe.

US troops leaving Germany would have significant impacts.

Foremost amongst these are the consequences for the US itself. Germany is its logistical hub and is vital for supply chains. 35,000 troops and arms (including nuclear arms) are stationed across the country, with the majority of personnel in the southwest. The Kaiserslautern Military Community (KMC) is the largest American community outside the US mainland. The Ramstein Airbase hosts the 86th Airlift Wing, HQ US Air Forces Europe, US Air Forces Africa with its HQ in close-by Stuttgart, and the Landstuhl Regional Medical Center — the largest military hospital outside the US, where injured personnel from Afghanistan and Iraq are first cared for. NATO's Allied Air Command HQ is also hosted in Ramstein.



US Army Command Sgt. Maj. Muriel A. Macdonald, left, claps hands with a German army reserve soldier. GERTRUD ZACH VIA US DEFENSE

In short, the base secures US access to the Middle East and Africa. Most importantly, Washington's global aerial operations are supported from here: imagery is processed and passed on to drone operators. Other institutions that could be affected include HQ US Army Europe in Wiesbaden and the US Europe and Africa Commands in Stuttgart.

Although the German government is [paying](#) for the presence of US troops, and also has to deal with long-term consequences and costs related to environmental and social impacts, US troops and their families significantly contribute to the local economy and create jobs for local citizens in an otherwise structurally

weak area. A German [parliamentary report](#) from January 2017 shows that the KMC alone with its more than 54,000 American citizens (military and civilians) and around 7,000 host-nation employees contribute annually around US\$2 billion to the local economy. US civilians and military personnel living off-base contribute around 40 per cent of their wages to the local economy, particularly in the real estate and retail sectors. In March 2018, it was [revealed](#) the US government actually plans to invest almost US\$2 billion into the army bases in Rhineland-Palatinate until 2023.

With the NATO summit coming up, America's allies are now wondering whether the statements are Trump's bargaining tactic to get European countries to spend more on defence, or something more serious. Yet pulling out or relocating troops wouldn't only hurt Germany. It would impact US forces and Washington's national security interests by significantly reducing its ability to project power.

“Withdrawing would impact US forces and Washington’s national security interests by significantly reducing its ability to project power”



A US withdrawal from Germany would seriously impact power projection capabilities.

GERTRUD ZACH VIA US DEFENSE

Reports of a potential relocation to Poland, however, have [raised hopes](#) in Warsaw, which has been hoping for a greater US presence on its territory. Poland offered to pay US\$2 billion – a fraction of Germany's investment. Furthermore, the costs of relocating and setting up necessary infrastructure would require further investments from the US government. Finally, quick access to North Sea and the Atlantic would be lost. While it seems unlikely that troops are withdrawn, Trump's unreliability leaves allies nervous.

The surprise the South Korean military experienced following the Singapore summit would not want to be repeated by European allies after Trump meets Putin after the NATO summit. North Korea and Iran tell us that Trump makes decisions with no thought for alliances, advisors, or common sense.

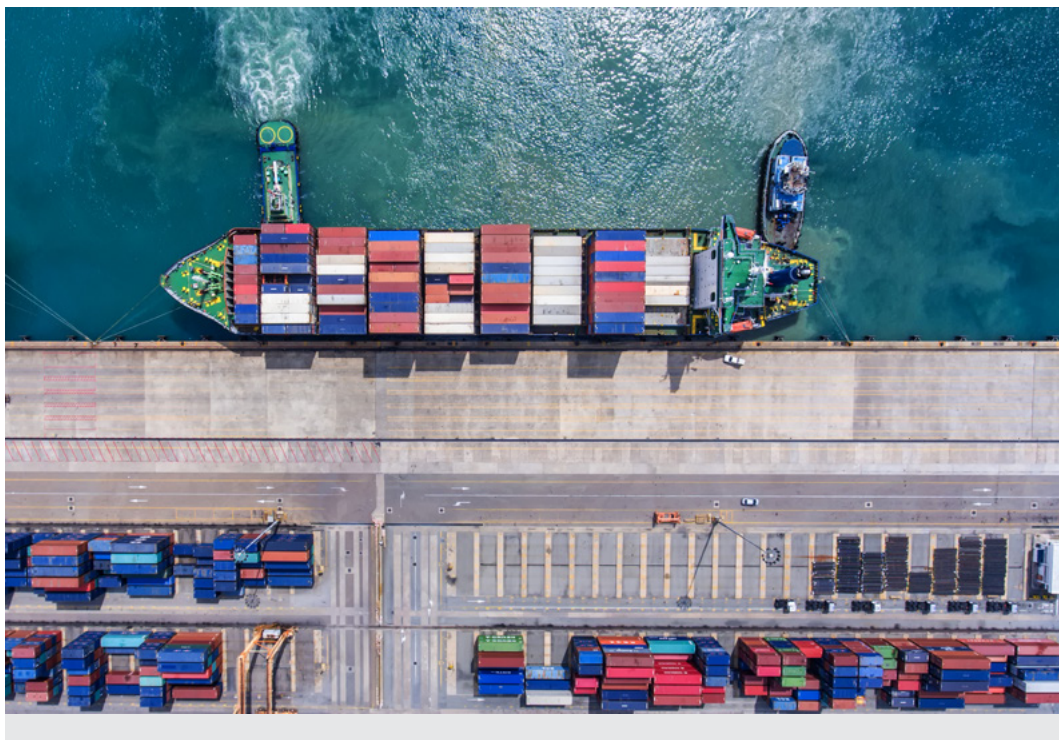
Note: Jacky Westermann is a researcher and editor for the International Program at ASPI.

Digital shipyards: The voyage of discovery

Paul Mylon | Melbourne

The naval shipbuilding industry in Australia is experiencing a wave of change and disruption like never before. Rising program costs, international competition and pressure from government customers to deliver value for money are prompting many manufacturers to consider new, digital approaches.

Recent Accenture research of aerospace and defence executives found that while 97 per cent are willing to digitally invent their business, only nine per cent are already using digital capabilities to drive operational efficiency and business



Digital technologies are changing the shipbuilding industry.

GETTY/ACCENTURE

growth. This highlights significant opportunities for shipbuilders to embrace digital reinvention.

“Advances in digital technologies herald a new era of opportunity for Australian shipbuilders”

One way forward is to apply what Accenture has coined Industry X.0 – smart, connected and living technologies – to power, progress and create a fully digital value chain. Supported and enabled by the Internet of Things (IoT), Industry X.0 builds into a connected ecosystem of digital technologies that drive higher operational efficiency, faster growth and enhanced experience for both the customer and operational user.

Furthermore, opportunities are available to invest in [digital capabilities](#) that are deployable across the ship lifecycle, rather than just in individual phases such as design or build.

Accenture recommends focusing on the below five key capabilities:

1. Digital Twin and Digital Thread

Investing in a “[digital twin](#)” of the ship design can drive product competitiveness, better integration for the supply chain and enable effective manufacturing. In addition, a “digital thread” provides access to latest information for every task.

2. Data and Analytics with Intelligent Systems

This can drive operational efficiency and continuous improvement throughout the program. For instance, GE and CSIRO’s [Data61](#) have developed a data analytics solution that will provide the RAN with greater insights into their fleet engine performance.

3. Mobility with Immersive Technology

Immersive technologies, using virtual and augmented reality (VR/AR), can enhance the design process and simulate the fitting of complex build procedures. A leading local example includes Dassault Systems, who are working with the Future Submarines project designer to build Australia’s first [virtual shipyard](#) in Adelaide.

4. Intelligent Automation

Robotic process automation can streamline manual processes such as procurement, change management and engineering support tasks. Autonomous surveys – using drones, underwater vehicles and spider robots to compile a material state picture – can reduce emergent work during overhauls.

MOST READ ONLINE AT WWW.AUSTRALIANDEFENCE.COM.AU



1. [Sea 5000: Behind the BAE Systems win](#)
2. [BAE Systems Australia wins Future Frigates under Sea 5000](#)
3. [Aegis FMS for Australia and Spain](#)
4. [Rheinmetall’s Boxer CRV takes out \\$5.2b Land 400 Phase 2](#)
5. [Schiebel Camcopter demonstrates new payload](#)

5. Advanced Manufacturing

This consists of combining advanced manufacturing, IoT, data and analytics into an integrated production operation for the shipyard. The use of 3D printing of parts in building, maintenance and on-board ships can also reduce inventories and increase asset availability.

Advances in digital technologies herald a new era of opportunity for Australian shipbuilders. It's time to embark on the journey.

Note: Paul Mylon is the Aerospace and Defence Lead for Accenture Australia and NZ.

Lockheed Martin extends National Youth Science Forum partnership

Katherine Ziesing | Canberra

Year 12 students gathered at Lockheed Martin's office this week to go through the art of the possible when it comes to the application of STEM (science, technology, engineering and maths) skills under the [National Youth Science Program \(NYSF\)](#).

The event hosted by Lockheed Martin also saw the company announce another three years of funding to the program, building on the four-year partnership already in place.

"This is where we're partnering with Australia's best minds in industry and the community to embark on a journey of discovery, exploration and problem solving," Scott Thompson, Lockheed Martin's Director International Business Development said at the event.



Students got the chance to try their hand at two different flight simulators at the Lockheed Martin head office in Canberra this week.

LOCKHEED MARTIN



Thanks to Lockheed Martin's work on the Mars mission, students were able to enter a digital immersive version of what a base camp could look like.

LOCKHEED MARTIN

“The \$125,000 a year agreement sees the NYSF deliver STEM based experiences for hundreds of students in both Canberra and now Brisbane”

The \$125,000 a year agreement sees the NYSF deliver STEM experiences for hundreds of students in both Canberra and now Brisbane as part of their engagement program with industry and university partners.

“When I was a senator, it was my absolute privilege to welcome NYSF students to parliament house as part of their program. I’d like to think that the program helped you to find what inspires you the most,” Kate Lundy, deputy co-chair of NYSF said.

“NYSF has been inspiring students for 35 years now with the support of their local Rotary clubs. The program continues to grow and give young people access to seeing the job that inspires them most.”

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Forthcoming Events

ADM EVENTS

More detail on **ADM** Events can be found on our dedicated website: admevents.com.au

- [ADM Women in Defence Awards](#) – 27 July 2018
- [ADM STEM in Defence Summit](#) – 21 August 2018
- [ADM Defence Estate & Base Services Summit](#) – 19 September 2018
- [ADM Defence in Northern Australia Summit](#) – 10-11 October 2018

Aerospace Futures 2018

Venue ADFA

Location Canberra

Date 16 July – 19 July

Web <http://www.aerospacefutures.ayaa.com.au>

Occurring across state capitals annually, the Aerospace Futures conference is an important event in the Australian aerospace industry calendar run by the Australian Youth Aerospace Association. 2018 will be the very first year that the Aerospace Futures conference will be coming to Canberra, and it will be the biggest year in the event's decade-long history. The event will attract a wide variety of 67 industry speakers and panellists, 400 invited professionals, 5 state governments and 55 supporting organisations across the 4-day event. The main focus of the event is the record 250 youth delegates of undergraduates, postgraduates and young professionals from across Australia and New Zealand. Through defence/space/aviation/astronomy/unmanned technologies, the event aims to inspire talented Australian youth to pursue careers within the air and space industries.

Defence + Industry Conference and Gala Awards 2018

Date 1-2 August 2018

Location Canberra

Website [CASG](http://casg.gov.au)

The annual CASG and Defence Industry gathering in Canberra to discuss policy and programs with a range of speakers gathering to discuss the way forward. A Gala Awards night will take place on the evening preceding the event, where ADM's Essington Lewis Awards will be presented, recognising excellence in collaboration. **Registrations close on July 22.**

BMT's Submarine Design and Engineering course

Location Adelaide

Date 6-10 August

Email trainingcourses@bmttdt.com.au

Register [Here](#)

This course is ideal for anyone currently working or considering working with submarines; offering a comprehensive design and operational appreciation of conventional submarine technologies. This course is accredited by the Royal Institution of Naval Architects. Since its inception in 2009, this Australian course has earned a reputation for providing delegates with practical and current knowledge, and is an important collaboration between BMT and other submarine experts from around the world. The network of presenters provides significant professional development and networking opportunities for those working in the submarine industry.

Project and program management symposium

Date 14-15 August

Location Rex Hotel, Canberra

Register www.pgcsymposium.org.au

The annual Project and Program Management Symposium provides a forum that brings together project management people to share knowledge and improve the governance and controls skill sets available to deliver successful project outcomes for the nation. A highlight of the symposium is its access to thought leaders from the USA and Europe. Each year, selected speakers from overseas are brought to the symposium to share knowledge and provide an international perspective on project and portfolio management.

Scindicate 2018

Date 29-30 August

Venue Scindicate Labs, Fisherman's Bend, Melbourne

Web <https://scindicate2018.eventbrite.com.au>

SCINDICATE is the new brand name for the previous annual external engagement event called Partnerships Week. SCINDICATE delegates will experience technology demonstrations, workshops, briefings and laboratory tours, as well as opportunities for networking and forging new collaborations. Delegates can choose to attend on either day, and the program will include key elements repeated across both days.

Williams Foundation Seminar: The Imperative for an Independent Deterrent

Date 23 August 2018

Location National Convention Centre

Website <http://www.williamsfoundation.org.au/events>

With the retirement of the long-range F-111, Australia's future air strike capability now rests in the capabilities of the F/A-18F Super Hornet and F-35A, both equipped with appropriate long-range strike weapons and supported by a capable air-to-air refueling force. An independent strike capability expands the range of options to achieve Australia's strategic ends; signals a serious intent and commitment about Australia's national security; and has the capacity to influence strategic outcomes short of resorting to armed conflict.

Hunter Valley Defence Conference 2018

Date 30-31 August 2018

Location Crowne Plaza Hunter Valley

Website HunterNet

The 2018 Defence Conference will focus on driving collaboration and engagement between Defence Primes, the region's SME's, academia and Defence. A highlight of the conference will be the spectacular low flying aerial show from Matt Hall Racing, followed by a gala dinner.

Land Forces 2018

Date 4-6 September 2018

Location Adelaide

Website www.landforces.com.au

Presented in collaboration with the Australian Army, LAND FORCES 2018 is an international industry exposition to showcase equipment, technology and services for the armies of Australia and the Indo-Asia-Pacific.

ANI Goldrick Seminar

Venue ADFA

Date 17 Sep, 2018

Location Canberra

Website <https://navalinstitute.com.au/>

ANI will be holding its annual Goldrick Seminar at ADFA – with the title Naval Shipbuilding as Strategy. The event is well-attended every year by senior serving officers and by defence industry.

18th Australian Space Research Conference

Venue Mantra on View Hotel, 22 View Avenue, Surfers Paradise

Location Gold Coast

Date 24 Sep – 26 Sep, 2018

Web <http://www.nssa.com.au/18asrc/>

The 18th Australian Space Research Conference (ASRC), will be held at Gold Coast in Queensland over September 24-26, 2018. The ASRC is intended to be the primary annual meeting for Australian space research. It welcomes space scientists, engineers, educators, and workers from across the university, industry and government parts of the space sector, and is not limited to Australian-based research. International participants are most welcome. The scope of the conference includes fundamental and applied research, operational matters, technology, and use of space data and facilities. We are accepting abstracts until July 14.

Veterans Film Festival

Venue Palace Electric Theatre, ADFA

Location Canberra

Date 1 November – 3 November

Web www.veteransfilmfestival.com

The RSL National Veterans Film Festival (VFF) is an annual event, putting the spotlight on stories about veterans, first responders, their families and the influence of warfare on our society. The festival presents a curated program of carefully selected feature films, short films and media art from Australia and around the globe. Our focus is on recent work by talented indie filmmakers. However, within our program we also present mainstream films, retrospectives and provide opportunities to meet with filmmakers and content creators via Q&A's, panels, etc. All films submitted to the official competition will be eligible to compete for the coveted Red Poppy Awards.

SIA Biennial Conference

Date 7-8 November 2018

Location Rex Hotel, Canberra

Website www.submarineinstitute.com/sia-conferences

Join submarine professionals and key decision makers as the ninth in the Biennial series of conferences run by the Submarine Institute of Australia returns to Canberra to explore the issues and opportunities emerging from the decision to extend the lives of the Collins class submarines.

MilCIS 2018

Date 13-15 November 2018

Location National Conference Centre, Canberra

Website www.milcis.com.au

In November each year, the Defence Chief Information Officer Group (CIOG) partners with the UNSW Canberra and the Institute of Electronic and Electrical Engineers (IEEE) to present MilCIS.

TEAM DEFENCE AUSTRALIA EVENTS

- **AUSA 2018** – 8-10 October 2018, Washington DC, US
- **Indo Defence 2018** – 7-10 November 2018, Jakarta, Indonesia
- **Euronaval 2018** – 23-26 October 2018, Paris, France

For more information go to the business.gov.au TDA webpage [here](#). TDA EOIs will open a few months prior to the event – to keep up to date [register](#) for the CDIC newsletter.