

ADM AUSTRALIAN DEFENCE MAGAZINE DEFENCE WEEK PREMIUM EDITION

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HMAS *Newcastle* could soon protect oil rigs around Cyprus.

DEFENCE

Defence moves quietly on Greek warship sale

Ewen Levick | Sydney

Defence has moved forward on a possible sale of the Adelaide class FFG frigates to Greece, although the Department is keeping its cards close as alleged American pressure mounts for a deal.

Greece is urgently [seeking new frigates](#) to patrol and protect gas fields around Cyprus amid growing tensions with Turkey. Ankara has previously used warships to prevent an Italian company from drilling in the area.

High-ranking officers from the Greek Navy were hosted on-board HMAS *Newcastle* as it was docked in Singapore during Exercise Indo-Pacific Endeavour in May. Sources in Greece have indicated the officers were 'not satisfied' with the condition of the ship and have concerns about the availability of spare parts, although *ADM* was unable to confirm this with Defence.

When asked about the purpose of the Greek visit on-board HMAS *Newcastle*, a Defence spokesperson gave the following answer: "HMAS *Newcastle* hosted

IN THIS ISSUE

Defence moves quietly on Greek warship sale	1
JP 2060 Phase 4 moves ahead	3
American presence grows in the Territory	5
Corporate security is national security: ASPI	7
Hunter students experience Bohemia Interactive Simulations	9
Anti-collision software integrated early into F-35s	11
Forthcoming Events	13

numerous international guests, including representatives from the Greek Government, in Singapore as part of the very successful Indo-Pacific Endeavour 19 program."

When pressed to expand on the purpose of this visit, Defence declined.

"Defence has no further comment to what was previously provided," the spokesperson said.

Two months later, the Australian Embassy in Greece [requested a meeting](#) with the head of the Greek Agency for Military Procurements, Vice Admiral Kyriakou Kyriakidis. According to a Greek government press release, the conversation covered "issues of mutual interest in the field of defence equipment and cooperation in the defence industry." Greek sources indicate Australia requested the meeting to put forward a new offer on the Adelaide class frigates, although ADM has again been unable to confirm this with Defence.

"Defence is unable to comment as all engagements with foreign governments on the transfer of ADF assets are treated as commercial-in-confidence," a spokesperson said.

Although it is unclear whether "the transfer of ADF assets" refers to the Adelaide class, it seems unlikely that RAN would host Greek officials on the ship they have previously expressed interest in buying, and then request a meeting with the Greek chief of military procurements, if not to either develop or put forward a new offer on the FFGs.

ADM understands that Greece's previous interest in the Adelaide class waned because Defence was unwilling to include SM-2 Block IIIA air defence missiles and surface-to-air Evolved Sea Sparrow Missiles (ESSMs) with the warships. It is unclear whether these missiles have now been offered to Greece under a possible new deal, which would need US end-to-end user certificates given FMS/ITARs issues.

US approval, however, may not be hard for Greece to gain. The Hellenic Navy has also entertained a frigate offer from Lockheed Martin, which could involve a local build: Greek/American company ONEX has [moved to buy](#) Greece's Syros shipyard (the country's third-largest) with the blessing of the American ambassador, who commented that Greece is 'back and open for business'. The ambassador has also spoken of American interest in the port of Alexandroupolis, which hosts elements of the US Army's 10th Combat Air Brigade.

Greek sources believe that the US sees RAN's Adelaide class frigates as an interim capability for Greece, able to fill acute operational requirements whilst American-designed ships (possibly an LCS variant) are built locally.

Whilst this is speculative, a joint sale of Australian FFGs and future American frigates would come in the context of strengthening relations between Washington and Athens: Lockheed Martin is currently overhauling Greece's F-16 fleet; US Secretary of State Mike Pompeo recently met the out-going Greek PM Alex Tsipras alongside Israeli PM Benjamin Netanyahu and Cypriot leaders in Israel; Greece and Cyprus are cooperating on energy issues with Egypt, another major

"Greek sources believe the US sees RAN's Adelaide class frigates as an interim capability for Greece whilst American-designed ships are built locally"

American ally; and Athens has opened the way for the renamed state of North Macedonia to join NATO, which would help Washington counter growing Russian influence in the Balkans. It would also come as relations sour between the US and Greek rival Turkey, as demonstrated by the [recent F-35 debacle](#).

In short, the Commonwealth is quietly negotiating with Greece over a sale of the FFGs and possibly associated weapons systems as US industry positions for a longer-term Greek frigate program with the blessing of the White House. Watch this space.

JP 2060 Phase 4 moves ahead

Katherine Ziesing | Canberra

The next phase of JP2060 under Phase 4 will see a Health Knowledge Management (HKM) solution put in place for the ADF.

[JP2060](#) Phase 4 seeks to acquire and sustain a commercial, information technology (IT), enterprise knowledge solution that captures health data, and collates and manages the information across the ADF health care continuum within the deployed and non-deployed, garrison environment.

The solution will be required to provide greater healthcare business functionality, utilise an efficient health informatics process and enable efficient and safe, evidenced based, patient-centric care.

The HKM solution will include a replacement primary care practice management system, a critical care patient management system and a new Defence eHealth Record for ADF members. It will be required to interface with Defence ICT platforms, allied coalition partners, Australian healthcare providers and nominated Government agencies such as Health.



JP2060 Phase 4 seeks to acquire and sustain a commercial, information technology (IT), enterprise knowledge solution. DEFENCE

The delivery timeframe is scheduled for 2020 for the first tranche of the system. The plan is to first roll out a new foundational record and primary care system to the 50-odd garrison sites in Australia and two overseas sites by December 2022, replacing the existing EMIS-based system implemented by DXC Technology, followed by an extended capability with analytics for deployed field hospitals by June 2025.

According to the last industry update on July 4, the HKM solution will be a predominately commercial-off-the shelf solution that meets Australian Clinical Practice Guidelines and is operating in the Australian market.

“The solution will be required to provide greater healthcare business functionality”

“The industry briefing held on 4 July 2019 for Joint Project 2060 Phase 4 – Health Knowledge Management was to approved suppliers on the Defence ICT Provider Arrangement (ICTPA) panel,” a Defence spokesperson said in answer to questions about the event.

“As this is a closed panel and a restricted tender, the industry briefing slide pack presented cannot be released. Defence does not divulge specific budgets for major Integrated Investment Program (IIP) projects.”

Industry estimates put the program value at between \$350-\$500 million.

An AusTender search also reveals that KPMG has been paid over \$2.8 million between August 2016 and now for consulting services into the program.

Contenders

There are a few players in the market that are eying this program, with teams led by Leidos and Deloitte amongst them. *ADM* understands that Accenture were noticeable by their absence on the industry day but are still in the mix, along with other companies such as Babcock and Fujitsu.

Deloitte has teamed with Allscripts Australia and a number of specialist Australian and international companies to develop a comprehensive, low-risk health knowledge management solution for Defence.

The Deloitte team comprises key leaders with an intimate knowledge of the ADF's operating environment and clinical governance framework while Allscripts has first-hand experience in designing and implementing health information management solutions in a military context, according to Deloitte.

While not a traditional ICT prime, Deloitte is looking to provide a 'clean slate' approach to the program.

“Leidos has teamed with local and international companies with extensive expertise in Health and Defence environments, including leading companies Cerner and Henry Schein,” according to a statement from Leidos.

“This particular teaming arrangement has demonstrated significant success in the delivery of the US Department of Defense's health modernisation program MHS GENESIS. Leidos intends to transfer these capabilities and lessons learned to Australia and, in collaboration with highly experienced Australian teammates, will provide a compelling solution for the ADF.”

ADM understands that further members of the Leidos team will be announced in due course.

“Phase 4 is more of an ICT based system that will see numerous systems consolidated into a single point of truth”

ADM Comment: JP 2060 is one of those programs that *ADM* [has been covering](#) for many years now. For a program that has AusTender contracts listed for capability definition in 2007, scheduling support in 2008 and a range of other professional services for over a decade, progress for health capability has been slow even by Defence standards.

While the deployable side of the equation [under Phase 3](#) has seen the Saab led team selected as the preferred tenderer, *ADM* understands that contract negotiations on that phase are not due to start until November this year.

Phase 4 is more of an ICT based system that will see numerous systems consolidated into a single point of truth as it were.

The ADF has been in a position where they have been able to leverage coalition health assets on many deployments, but this might not always be the case. The linkages between health services in Australia and on deployment have been inconsistent for some time. *ADM* hopes that the various phases of JP 2060 can resolve this issue sooner rather than later.

American presence grows in the Territory

Ewen Levick | Sydney

The US military presence in the NT has reached a milestone with the latest arrival of US Marines as the ABC uncovered an American proposal to spend upwards of \$300 million on naval construction projects in and around Darwin.

The American legislation also references a new airport parking apron for the US Navy and investments in RAAF Tindal. The ABC [has also reported](#) that negotiations are underway to build a new port at Glyde Point near Darwin to accommodate large ships such as LHDs.

A permanent naval facility in the Territory could serve as a valuable logistics base for the US as growing Chinese missile capabilities increasingly threaten supply lines running through Guam.

Defence [told the ABC](#) that the proposal for ‘Navy Military Construction’ in Darwin must still pass through US Congressional processes, but denied planning any new military infrastructure in the NT in a subsequent statement.

“The Department of Defence has not engaged in any classified or unclassified planning with respect to developing, funding or supporting an alternative military, commercial or mixed-use port at Glyde Point or elsewhere in the vicinity of Darwin,” Defence said in a statement.

“This information was provided to journalists last week.

“Any proposal for a facility at Glyde Point, or elsewhere in the NT, is a matter for the relevant NT authorities.”

Foreign Minister Marise Payne, however, confirmed to Sky News on Tuesday that the US is planning to build new infrastructure in the north once Congressional approval is granted.

"The development of facilities will support the Force Posture Initiatives," Payne said.

Meanwhile, the Marine Rotational Force-Darwin (MRF-D) has been strengthened with the arrival of additional US Marines, bringing the total number in the Territory to 2,500.

Minister for Defence Linda Reynolds said the 2019 rotation represents the most capable and operationally focused deployment to date.

"This milestone demonstrates the enduring nature of the Australia-US alliance and our deep engagement with the Indo-Pacific region," Minister Reynolds said.

"The Marine Rotational Force-Darwin improves interoperability between Australian and US defence forces, and enhances our ability to work together with regional partners in the interests of stability and security in the Indo-Pacific."

The 2019 rotation features a High Mobility Artillery Rocket System, advanced TPS-80 radar system and Aviation Combat Element including MV-22 Ospreys and UH/AH-1 helicopters.

The US Marines are expected to complete the rotation in October.

"The proposal for 'Navy Military Construction' in Darwin must still pass through US Congressional processes"



US Marines conduct a simulated amphibious assault during Exercise Talisman Sabre 19.

DEFENCE

Corporate security is national security: ASPI

Ewen Levick | Sydney

ASPI's Anthony Bergin, Donald Williams and Rhys de Wilde have released a report arguing that Australia's national security planning should also include important companies and their supply chains.

The [report](#), titled *From Boardroom to Situation Room*, draws on the premise that economic security is national security. Although companies are putting a lot of thought into protecting their own assets, their concerns should be shared by national security agencies as well as [commercial shareholders](#).

Yet there is still a 'void' between business and Australia's national security organisations. Neither side is sufficiently aware of the other's capabilities and limitations, and both are guilty of 'intentionally or needlessly' withholding information whilst expecting too much from the other.

To get around this, the report's authors argue that both sides should adopt a 'dare to share' culture, which allows for the relatively free flow of timely information useful to both public and private security personnel.

"A key message of this Strategic Insights paper for national security agencies is that coordinating and cooperating with the private sector on national security may be inconvenient at times, but it's a lot less inconvenient than being exposed to a range of security threats and challenges unprepared," the authors argue. "Today, corporate security is national security."

The report contains an interesting anecdote to illustrate the point. A company called Codan, which manufactures metal detectors, noticed it was receiving faulty



Doors need to open between Australian businesses and national security agencies.

DAVID MARK/PIXABAY

“The threats we face don’t recognise the walls that exist between Australian businesses and national security agencies”

detectors for repair that had ‘unfamiliar wiring’. The detectors had been reverse-engineered – the company was the victim of industrial espionage.

ASIO got involved and found out what had happened. A [Codan](#) executive was on a business trip to China and logged into hotel Wi-Fi with a company computer. Hackers were able to insert malware that went on to infect Codan’s networks in Australia, steal the IP, build their own detectors and steal significant market share from the company in the lucrative African gold sector. Codan’s overall value dropped from \$45 million to \$9 million and staff were laid off.

Codan, however, also sold end-to-end encrypted radios used by Australian forces in operational war zones. The link between corporate and national security there is obvious.

“It’s tempting for government to just rely on the cybersecurity systems that companies already have in place, but attacks on business and exploitations of cyber weaknesses greatly affect national security,” the authors state.

“The threats we face don’t recognise the walls that exist between Australian businesses and national security agencies. To safeguard Australia, we need to put more doors in those walls.”

MOST READ ONLINE AT WWW.AUSTRALIANDEFENCE.COM.AU



1. [First Boxers arrive in Brisbane](#)
2. [Thales buys insolvent Hawkei engine manufacturer](#)
3. [MRH-90 helicopters grounded at HMAS Albatross](#)
4. [Putin exploits Turkey’s glass ceiling](#)
5. [The ADF’s logistics system is about to fall over](#)

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A group of senior students from Hunter River High recently visited Bohemia Interactive Simulations.

KATE O'MARA/RDA HUNTER

Hunter students experience Bohemia Interactive Simulations

Kate O'Mara | Williamstown

Turning a love for 'gaming' into a job is just a pipedream for many young people with a passion for IT, but not for Port Stephens based, global software company [Bohemia Interactive Simulations](#) (BISim). Gaming technology is its lifeblood: it underpins its differentiation and has led to its global success.

From unassuming beginnings re-purposing gaming software in Anna Bay near Newcastle, BISim is now at the forefront of developing [simulation training solutions](#) for defence and civilian organisations globally.

Bohemia Interactive Simulations' technology Virtual BattleSpace (VBS) has become the de-facto industry standard for virtual simulation and has been selected by a number of armed forces, most notably the ADF, US Army and US Marine Corps, and the UK Ministry of Defence as their official virtual simulation platform. VBS is also widely used by over 80 companies.

"We work with the world's militaries to develop and deliver tailored, cutting-edge simulation products and technology for tactical training, scenario experimentation and mission rehearsal. It's an exciting space to work in," Group General Counsel of BISim Group & Managing Director of Bohemia Interactive Australia, Ryan Stephenson, said.

"Each military organisation has a different and individual need so to continue

to tailor solutions, be responsive to our customers' needs and stay ahead of the curve with ongoing R&D, we're looking for people with the right mix of skills and passion.

"Our Australian presence, which is headquartered here in Williamstown, isn't large but we're innovative and combine our range of skills to ensure our customers are getting the interactive simulation product they need but as a tailored, tested, complete solution."

Access to the 'right' people is key for BISim who are always looking for new ways to disrupt its global markets as well as its own software products.

"People are our biggest asset. We can't deliver what our customers need without people who have the skills to understand their requirements, engineer software to make it possible and maintain relationships to keep them happy," Ryan said.

BISim has been working with Regional Development Australia (RDA) Hunter and its STEM Workforce Initiative since 2017 to help build a larger local talent pool.

"RDA Hunter works with companies like Bohemia Interactive Simulations to help promote the career opportunities that are right here on the doorstep of Hunter students," RDA Hunter's Director of Regional Development Trevor John said.

The ME Program is RDA Hunter's most mature workforce development program and anchors the organisation's workforce development initiatives. Funded by Defence, it commenced in 2009 to help build a defence industry workforce.

"Our programs aim to give students a mix of STEM and work-readiness skills like communication and team-work to help prepare them for industry jobs," John continued.

Industry experiences are a popular component of the ME Program and I was lucky enough to join a group of senior students from ME partner school Hunter River High (HRH) when they visited Bohemia Interactive Simulations recently.

HRH's year 11 student Isabella told me she's always loved IT and really wants to work with computers as a career but wasn't sure what the jobs were or how to get them.

"I knew that there must be businesses in Newcastle that specialised in this space, so my Dad and I googled and found Bohemia Interactive. It's exactly the type of business I'd love to work in and I thought some of my friends would too, so I asked my teachers whether we could visit – and they made it happen," Isabella said.

Hosted by Lennon Willoughby, BISim's Senior Support Specialist - APAC Lead and Nick Oliveri, Quality Assurance Analyst, nine HRH students were given a run-down of the business. They also took turns on the F-18 procedural training and gunnery training simulators, giving them a hands-on look at how gaming technology is used in military applications.

Importantly, Lennon and Nick also explained to the students that there were many different pathways to jobs in this industry.

The BISim industry experience is exactly what Isabella had hoped for.

"The simulators were great, and it was so interesting to hear directly from

"It's a valuable experience for us to see companies like Bohemia Interactive up-close"

Lennon and Nick. They're young and have amazing jobs. It reinforces that I'm on the right pathway to a great job here in Newcastle.

"It's a valuable experience for us to see companies like Bohemia Interactive up-close. It's definitely inspired me to keep working hard and I'm excited for the future."

More on Bohemia Interactive Simulations will be available in the August issue of *ADM*.

Note: Kate O'Mara is a freelance project director and strategic communications specialist with a background in regional development.

Anti-collision software integrated early into F-35s

The F-35 Joint Program Office, US Air Force and Lockheed Martin have started integrating the Automatic Ground Collision Avoidance System (Auto-GCAS) on to Air Force F-35As seven years earlier than previously planned.

"This is a great day for the warfighter as the Auto-GCAS is a proven system that is long over-due," Lieutenant General Eric Fick, F-35 Program Executive Officer, said. "Expediting this life-saving technology into the F-35 across the global fleet will bring more warfighters home.

"Over the service life of the F-35 fleet, having Auto-GCAS is estimated to prevent more than 26 ground collisions from happening. It is indeed a remarkable achievement in aeronautics which will improve the performance, efficiency, and safety of the F-35. The time and effort expended to deliver this critical warfighting



Auto-GCAS can assume temporary control to divert the aircraft out of harm's way.

DEFENCE

capability is worth it - it will save lives.”

Originally developed for the F-16 in partnership with NASA and the Air Force Research Laboratory, Auto-GCAS uses terrain mapping, geolocation and automation to detect and avoid potential ground collisions. When the program recognizes imminent impact, it will prompt the pilot to take action. If the pilot is unresponsive, Auto-GCAS assumes temporary control to divert the aircraft out of harm’s way, and then returns control of the aircraft to the pilot once on a safe trajectory.

The system has been operating successfully aboard the F-16 for more than five years and has already been credited with saving eight F-16 pilots’ lives since 2014.

“Auto-GCAS uses terrain mapping, geolocation and automation to detect and avoid potential ground collisions”

“Early integration of Auto GCAS in the F-35 is bringing game changing safety capability to a rapidly growing fleet. It couldn’t have come at a better time as we near full rate production resulting in more aircraft and pilots exposed to rigorous missions,” Lieutenant Colonel Darren Wees of the Air Force’s F-35 Integration Office said.

Auto-GCAS was originally slated for delivery in the 2026 timeframe. To accelerate the technology, AFRL and Lockheed Martin conducted positive feasibility studies and

the F-35 Joint Program Office and Lockheed Martin then implemented an agile approach to develop the technology for integration on the F-35.

The 412th Test Wing at Edwards Air Force Base then completed a rigorous flight-testing program to validate its performance and safety, which led to the wing’s formal recommendation to field Auto-GCAS aboard the F-35.

“The safe and effective acceleration of this technology is a testament to the joint government and industry team partnering in an agile environment to deliver life-saving capability to our men and women in uniform, significantly sooner than planned,” Greg Ulmer, Lockheed Martin’s vice president and general manager of the F-35 program, said.

PEOPLE ON THE MOVE

Kongsberg Defence & Aerospace have announced the appointment of John Fry as the General Manager of the company’s Australian arm, Kongsberg Defence Australia. Fry, 44, formerly a Director at Raytheon Australia, will be based at the company’s Australian headquarters in Canberra. Eirik Lie, President of Kongsberg Defence & Aerospace, said Fry would be a valuable addition to the Kongsberg team. “We are thrilled that someone of John’s impressive background and experience is joining Kongsberg. As we continue our strategic expansion in Australia, John’s appointment shows our long-term commitment to Australia and Australian defence industry,” Lie said.



Forthcoming Events

ADM EVENTS

More detail on **ADM** Events can be found on our dedicated website:

- [ADM STEM and Defence Summit](#) – 14 August 2019
- [ADM Defence Estate and Base Services Summit](#) – 12 September 2019
- [ADM North Australian Defence Summit](#) – 23-24 October 2019

Behind Closed Doors

Date 06 August 2019

Location Kedron Wavell Services Club

Website www.eventbrite.com/e/behind-closed-doors-brisbane-tickets-63931133742

This is a rare chance to look at submissions through the eyes of the evaluators, the realities of bid panels, and how writing winning content is at the heart of tender success. This seminar is particularly relevant to SME suppliers bidding to primes for supply chain contracts. This seminar, brought to you by Aurora Marketing and The Australian Industry & Defence Network Queensland (AIDN QLD), takes you behind the scenes with our tendering experts to learn what evaluators really want from suppliers and their proposals.

ASDEFCON TD/IP Courses

Date: 6-7 August

Location: WA, Vic, NSW

Website: defence@majortraining.com.au

Defence have begun delivery of its short course on the new Technical Data / Intellectual Property (TD/IP) clauses in its ASDEFCON suite of templates. The new clauses provide far more flexibility and scope to deal with TD/IP issues but require a better understanding from both Defence and Industry. Defence is delivering this course around Australia and offering a number of spaces to Defence Industry: 6-7 August 2019 in WA: 28-29 August 2019 in Victoria: 23-24 September 2019 at RAAF Richmond: 29-30 October 2019 and 24-25 February 2020 in the ACT.

Lockheed Martin Industry/CDIC Cairns Briefing Opportunities

Date 08 August 2019

Location 119-145 Spence St, Cairns.

Website www.eventbrite.com.au

AIDN QLD in partnership with DEFNO would like to invite you to attend the Lockheed Martin Industry/CDIC Briefing Opportunities for Australian Industry in Cairns. Lockheed Martin is engaged in the integration and sustainment of advanced technology systems, products and services across space, air, land, sea and cyber domains. The CDIC helps transform the Defence and industry relationship, facilitate innovation and exports, and fund defence industry development, critical defence business maturity and skilling.

Enterprise for Veterans

Date: 08 August

Location: Melbourne, Perth, Canberra

Website: <http://bit.ly/EFVApp>

Join The Prince's Trust Australia for our free Enterprise for Veterans workshop for transitioning defence members, veterans, and ADF families of current or former serving members. Designed to enhance the enterprising mindsets, skills and confidence you need to thrive in the modern workforce, we explore how shifts in technology, society and the environment impact the capabilities & mindsets you need to be future-ready. Melbourne, 8 August Workshop, 22-25 October Boot Camp: Perth, 10-13 September Boot Camp: Canberra, 20 November Workshop, 2-5 December Boot Camp.

WA Indo-Pacific Defence Conference

Date 12 August 2019

Location Crown Towers, Perth

Website www.perthusasia.edu.au

Senior government officials, leaders from industry and the WA SME sector will come together to discuss critical issues and partnership opportunities for WA defence at the WA Indo-Pacific Defence Conference on Monday 12 August. Attendees will hear from Premier Mark McGowan; as well as Minister for Defence Senator Linda Reynolds, Minister for Defence Industry Melissa Price, Shadow Minister for Defence Richard Marles and Shadow Minister for Defence Industry Matt Keogh.

DST Scindicate 2019: Partnering for Impact

Date 15-16 August

Location Adelaide, SA

Website Scindicate@dst.defence.gov.au

Once again, industry, universities and research agencies are invited to participate in the two-day activities which will include technology demonstrations, business matchups, workshops, briefings and laboratory tours, as well as opportunities for networking and forging new collaborations. A Next Generation Technologies Fund Showcase will be a special feature of the event.

PGCS 2019

Date 20 – 22 August 2019

Location The Canberra Rex Hotel, Canberra

Website www.pgcsymposium.org.au

Now in its 7th year, PGCS 2019 will focus on ways to build the foundations needed to create project and program success. Creating the organisational capability needed to underpin the consistent delivery of successful projects in the 2020's starts at the top. Leadership and a sustained focus are required to build a culture of excellence that can balance innovation with surveillance and accountability, encourage learning, and manage knowledge effectively.

Lessons in Leadership

Date: 21 August

Location: RUSI Hall, Victoria Barracks, Brisbane

Website: <http://www.rusi.org.au/event-3317743>

In his presentation to RUSIQ members Dr Brendan Nelson will reflect on his own upbringing and the lessons he has learned through school, university, work as a physician, his political career and now as Director of the Australian WAR Memorial. Dr Nelson will impart key lessons that have stayed with him, and are important to all leaders, such as the importance of service to the community rather than self.

Hunter Defence Conference 2019

Date 23 August

Location Crown Plaza Hunter Valley

Website www.trybooking.com/book/event?eid=503298

The 2019 10th anniversary Hunter Defence Conference will focus on driving collaboration between Defence Primes, NSW regional SMEs, academia and the Department of Defence. Key presentations at this year's conference will include capability development staff from Army, Navy and Air Force Headquarters, Defence Primes articulating the support requirements they will have over the coming decade from regional SMEs. Former Minister for Defence Christopher Pyne will present a keynote at the dinner.

Australasian Simulation Congress

Date 02 – 05 September 2019

Location Gold Coast Convention and Exhibition Centre, Gold Coast

Website www.simulationcongress.com

The Australasian Simulation Congress provides a focused opportunity for industry development, business growth, training, discussion and distribution of information related to Simulation, Modelling, Training and Decision Support. Simulation Australasia can help you directly engage with industry, policy makers, Government and relevant stakeholders to facilitate you and your organisation achieving the success only a truly international Congress can provide.

Synthetic Environment Working Group (SEWG)

Date 06 September 2019

Location Gold Coast Convention and Exhibition Centre

Website www.defence.gov.au

The Synthetic Environment Working Group (SEWG) 2019 is a one-day Conference/Working Group sponsored by the Department of Defence, ADSTC and managed by the Simulation Governance Directorate.

Australian Naval Institute's Goldrick Seminar

Date 18 September 2019

Location ADFA

Website www.trybooking.com/BDYHF

The 2019 ANI Goldrick Seminar will discuss defence issues associated with the maintenance of Australia's maritime trade. Speakers will be drawn from senior levels of Defence, academia and industry. As in previous years, the theme – Maritime Trade and its Implications for Australia's Defence – was selected by the Chief of Navy; an outcomes report will be provided to the Chief of Navy and it is anticipated that the proceedings will be subsequently published by ACSACS.

Army Innovation Day 2019

Date 25 September, 2019

Location Adams Auditorium, ADFA

Website www.army.gov.au

AID19 will be held on 25 September and the purpose is for selected respondents to pitch their proposed innovations to assessors, Capability Managers and Defence Innovation Hub personnel. Respondents may also be able to verify, validate and clarify their Request for Proposal response. Request for Proposal submissions closes on 3 September and on 12 October respondents will be notified of outcomes.

Australian Cyber Conference 2019

Date 07-09 October 2019

Location Melbourne Convention and Exhibition Centre

Website cyberconference.com.au

The Australian Cyber Conference 2019 will provide business leaders with insights and best practices taught by the industry's top experts through keynotes, panel sessions and live demonstrations. Attending the conference will enable you to network with these practitioners to help you better understand and manage current threats, as well as identify and prepare to meet emerging challenges.

Pacific 2019

Date 08-10 October 2019

Location Sydney Convention Centre

Website www.pacificexpo.com.au

As the only comprehensive international exhibition of its kind in the Indo-Asia-Pacific region, PACIFIC 2019 will again provide the essential showcase for commercial maritime and naval defence industries to promote their capabilities to decision-makers from around the world.

Williams Foundation Seminar – The Requirements of Fifth Generation Manoeuvre

Date 24 October 2019

Location National Gallery of Australia

Website www.williamsfoundation.org.au/event-3161281

Since 2013, the Sir Richard Williams Foundation seminars have focused on building an integrated fifth generation force. The seminar in October 2019 is titled 'The Requirements of Fifth Generation Manoeuvre' and will examine the differences and potential gaps in how the ADF must equip and organise for multi-domain operations.

2019 Parari Australian Explosive Ordnance Safety Symposium

Date 05-07 November

Location ADFA

Website parari@defence.gov.au

This year's symposium brings together delegates from around the world to discuss the latest innovations and advances in explosives, munitions and weapons safety. International and local experts from industry, academia, military and government will share their research to explore Explosive Ordnance Safety opportunities and challenges as a community.

MilCIS 2019

Date 12-14 November 2019

Location Canberra Convention Centre

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. The annual Military Communications and Information Systems (MilCIS) Conference welcomes military and government organisations, academia, and defence industries to contribute to the future direction of military communications and information systems.

SubSTEC 5 Conference

Date 18-21 November

Location Esplanade Hotel, Fremantle

Website www.submarineinstitute.com

The 5th Submarine Science, Technology and Engineering Conference (SubSTEC 5) will be held at the Esplanade Hotel, Fremantle, WA 18th-21st November 2019. The theme of the Conference will be: 'Innovation and Investment in the Sub-Sea Environment'. SubSTEC5 will be held with the support of the Institute of Marine Engineering, Science and Technology (IMarEST).

Corrosion and Prevention 2019

Date 24-27 November

Location Crown Promenade, Melbourne

Website conference.corrosion.com.au

Corrosion and Prevention 2019 will bring together leading researchers and industry practitioners who combat corrosion daily. Diverse technical streams will showcase the latest developments in corrosion, ranging from fundamental corrosion science to hands-on application.

2020

CIVSEC 2020

Date 24-26 April 2020

Location Melbourne Convention and Exhibition Centre

Website www.civsec.com.au

CIVSEC 2020 International Civil Security Congress and Exposition is your gateway event to the growing Indo-Asia-Pacific civil national security environment. CIVSEC 2020 is a premium international event with exceptional opportunities to reach key driver organisations in an evolving, tech-savvy regional marketplace.

Rotortech 2020

Date 16-18 June 2020

Location Royal International Convention Centre, Brisbane

Website www.rotortech.com.au

RotorTech 2020 is the region's premier helicopter and unmanned flight systems showcase and forum, bringing together operators, manufacturers, suppliers, regulators and government across the Indo-Asia-Pacific. With a comprehensive three-day free industry conference program, RotorTech 2020 will also feature manufacturers technical workshops and an industry exhibition showcasing more than 100 helicopter and unmanned flight related companies.

Land Forces 2020

Date 01-03 September 2020

Location Brisbane Convention Centre

Website www.landforces.com.au

The biennial LAND FORCES exposition is an international industry event to showcase equipment, technology and services for the armies of Australia and the Indo-Asia-Pacific. The Land Forces 2020 team is now setting about ensuring the event will achieve its goals of providing an effective platform for the exchange of ideas on key land forces issues and of taking Australian industry to the world.