

ADM

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DEFENCE WEEK PREMIUM EDITION



The number of ATGM launchers for the Boxers has been reduced.

DEFENCE

BOXERS TO GET FEWER ANTI-TANK GUIDED MISSILE LAUNCHERS

The number of anti-tank guided missile (ATGM) launchers to equip turreted Boxer Combat Reconnaissance Vehicles (CRVs) being acquired under Land 400 Phase 2 has been significantly reduced to save costs, Defence has confirmed.

JULIAN KERR | SYDNEY

The requirement for turreted Direct Fire High Survivability Lift (DFHSL) Boxers was reduced from 180 to 133 prior to tender negotiations due to cost pressures, according to sources close to the program.

All DFHSL Boxers were originally intended to have been equipped with two-round launchers for the Spike LR2 ATGM but this number was reduced to 40 under the acquisition contract signed with Rheinmetall Defence Australia in August 2018, the sources confirmed.

“During the year-long risk mitigation activity (RMA) the Commonwealth became aware of the modular

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nature of the tendered vehicles and the options this provided in relation to its major subsystems,” a Defence spokesperson told *ADM*.

“This activity also facilitated the adjustment of the variant mix to best meet Army’s needs. Additionally, the feasibility of a Deployment Kit strategy was explored to maximise capability in accordance with Army’s force capability cycle (raise, train, sustain) in a more cost-effective manner.”

Deployment Kits were issued and fitted only when vehicles were identified for operational deployment, and were not required to be fitted for training activities, the spokesperson said.

**“THE REQUIREMENT FOR TURRETED
DIRECT FIRE HIGH SURVIVABILITY
LIFT (DFHSL) BOXERS WAS
REDUCED FROM 180 TO 133”**

“The number of Deployment Kits procured under the Land 400 Phase 2 acquisition contract, which includes anti-tank guided missile launchers and air burst munition sensors, has been calculated to meet Army’s needs.

“All combat reconnaissance vehicles will be fitted for the respective elements of the Deployment Kit applicable to each variant.

“Combat reconnaissance vehicles deployed on operations will be equipped with the elements from the Deployment Kit to match the assessed threat profile. The modular nature of the Deployment Kits allows for quick and easy fitting by a unit-level workshop.”

HOW DEFENCE IS RESPONDING TO COVID-19

The COVID-19 pandemic reached new levels this week, with Prime Minister Scott Morrison announcing an unprecedented travel ban on all Australians leaving the country.

EWEN LEVICK | SYDNEY

“There is no two-week answer to what we’re confronting,” PM Morrison said. “There is no short-term, quick fix to how this is dealt with in Australia. The idea that you can just turn everything off for two weeks and then turn it all back on again and it all goes away, that is not the evidence.”

Defence has provided guidance on how it is responding to the crisis, including possible effects on the industry supply chain, in line with whole-of-government recommendations from the Department of Health.

Lieutenant General John Frewen is heading a COVID-19 taskforce, working offline from his role as Principal Deputy Director-General of the Australian Signals Directorate for the duration of his appointment. The Department is ‘reconsidering’ upcoming events and directing ADF members returning from deployment to follow all quarantine and protective measures from the Department of Health. These include 14 days of self-isolation for anybody entering the country.



PM Scott Morrison announcing an economic response plan to COVID-19.

@SCOTTMORRISONMP

Defence also says it is monitoring the impact of the virus on the industry supply chain.

“Defence is monitoring possible impact of COVID-19 on industry and the supply chains that support ADF capability,” the Department said in a statement. “Contractors are advised to seek care through their usual health care provider and to call 1800 DEFENCE (1800 333 362) to help Defence implement preventative measures and monitor potential impacts on operations.”

Official advice on the pandemic and how you can help slow the spread is available from the Department of Health’s website, available [here](#).

AMAERO LAUNCHES NEW ADELAIDE FACILITY

Amaero International have officially launched their Adelaide facility in partnership with the University of Adelaide.

The facility was opened by the SA Minister for Innovation and Skills David Pisoni. The University of Adelaide and Amaero signed a Strategic Partnership Agreement in October 2019 focused on developing additive manufacturing capability in SA. The facility was originally established by the University of Adelaide with funding from the SA Government. Amaero has now joined this site as a leading industry partner.

Amaero will work with the University of Adelaide to continue the activities of the SA Additive Manufacturing Applied Research Network (AMARN), which involves expanding equipment, human capital, and capability to make Adelaide a leader in 3D printing.



Dr Stephen Rodda, Executive Director, Innovation and Commercial at the University of Adelaide, Mayor Glenn Docherty of the Playford Council, David Pisoni, Minister for Innovation and Skills, Barrie Finnin, CEO of Amaero, Tom Kenyon, General Manager of Innovys. SUPPLIED

Located in Adelaide's northern suburbs, the facility contains three state of the art Renishaw AM 400 3D printing machines and ancillary equipment.

The Adelaide site adds to Amaero's other facilities in Melbourne and El Segundo, California.

"Amaero is thrilled to be establishing a facility in SA which is fast becoming a centre of aerospace and the defence industry," Amaero CEO Barrie Finnin said.

"Additive manufacturing is one of the most promising sectors for the Australian economy and it is growing in strategic importance.

"Amaero is proud of being a leader in this field and we look forward to collaborating with the University of Adelaide to develop skills in the industry.

"Innovative companies choosing to expand and invest here in SA is a vote of confidence in our economy and boost for our innovation ecosystem," Minister Pisoni said. "This facility is a key enabler to help with the adoption of metal 3D printing by local companies that will drive innovation and the translation into new-to-world and new-to-industry products, services and processes."

MOST READ ONLINE AT WWW.AUSTRALIANDEFENCE.COM.AU



1. [New report says Sea 1000 'dangerously off-track'](#)
2. [Attack class main storage batteries contract signed](#)
3. [\\$17 billion of contracts available through Hanwha industry portal](#)
4. [Boeing and BAE Systems team for JP 9101](#)
5. [ADF confirms first novel coronavirus cases](#)

ABORIGINAL GROUND STATION TO GAIN NEW SPACE TRACKER

An agreement between a European aerospace company and an Indigenous-controlled company based in Central Australia is cementing the NT's position in the trillion-dollar global space industry.

European space launch company, ArianeGroup, has announced that the Centre for Appropriate Technology (CfAT), located south of Alice Springs, will host their GeoTracker station.

The GeoTracker will consist of multiple instruments encased in a three-metre tall clamshell observatory dome. The structure will complement the existing Geoscience Australia satellite ground station and the recently announced Real Time Earth satellite ground station – a commercial venture between Viasat and CfAT Satellite Enterprises.

Alice Springs is perfectly positioned to provide the clear skies required to operate ArianeGroup technology, which will automatically track satellites using an optical telescope.

The Territory Government reportedly facilitated the commercial connection.

Currently, 23 local jobs are supported through CfAT, with this project further supporting these and future roles through developing the site, procuring the observatory dome, and maintenance activities.

“Attracting innovative projects to the Territory is just one way we are making sure there is more local investment and local jobs,” NT Chief Minister Michael Gunner said. “This announcement from CfAT and the ArianeGroup shows the Territory is open for business.”

The majority of CfAT employees are Aboriginal and Torres Strait Islander, and the company says it will leverage this opportunity to develop local capability in technical construction and facility maintenance.

“These strategic opportunities need to be embraced by Aboriginal businesses such



The Centre for Appropriate Technology also hosts Geoscience Australia's observation capabilities.

GEOSCIENCE AUSTRALIA

“THESE STRATEGIC OPPORTUNITIES NEED TO BE EMBRACED BY ABORIGINAL BUSINESSES”

as CfAT, and goes to show innovative ways of developing projects that connect people across the world,” Peter Renehan, CEO of the Centre for Appropriate Technology, said.

“Alice Springs is well known for enjoying more than 250 days per year without cloud, so this project occurring here makes sense,” Member for Braitling Dale Wakefield said.

This is the second commercial satellite ground infrastructure project CfAT has been able to secure for their Alice Springs site.

The space industry is starting to take off in the Territory with Equatorial Launch Australia recently starting construction on the Arnhem Space Centre, with the first launch from the facility anticipated [this year](#).

RAAF AND INDUSTRY COMPLETE FIRST AUSTRALIAN F-35A ENGINE REMOVAL

Technical maintenance crews have removed an engine from an F-35A Lightning II aircraft with a purpose-built trailer in a purpose-built facility.

The crews from No. 3 Squadron, No. 2 Operational Conversion Unit, BAE Systems Australia and Lockheed Martin conducted the works at RAAF Base Williamtown. No. 3 Squadron Senior Engineering Officer Squadron Leader Leigh Tinker said it was an exciting day for technicians when the first removal of an F-35A engine was carried out by an Australian unit.



Personnel from No. 3 Squadron, No. 2 Operational Conversion Unit and BAE systems Australia removing the engine. CORPORAL CRAIG BARRETT/DEFENCE

“We had a mix of personnel on the job including 3SQN, 2OCU, BAE, Lockheed Martin and Marand,” SQLDR Tinker said. “The learnings from the day were an important part of maximising training opportunities and forging Defence/Industry collaboration.”

Marand Engineering Manager Jeff Brown ensured the trailer operated as per the design requirements during the removal process.

SQLDR Tinker said Brown’s support had been invaluable for training technical and maintenance crews.

PEOPLE ON THE MOVE

Brigadier Ben James (ret’d) will join NIOA in the newly created role of General Manager – Weapons and Munitions. During his 32-year military career, James was an infantry platoon, company, battalion and commander, and deployed to Afghanistan, Iraq, Syria and East Timor

UK COUNTER-IED TECH COMPETITION TO OPEN IN APRIL

The British Ministry of Defence (MoD) is set to open a competition to develop and demonstrate a number of novel technologies and techniques in the area of electronic countermeasures against improvised explosive devices (IEDs).

IEDs are normally initiated using trigger mechanisms adapted from products including radio-controlled toys or civilian communication networks. The Defence and Security Accelerator competition aims to build technologies that can disrupt these mechanisms.

“These radio links that use RF, and associated components, are considered the primary objective for this call,” the MoD said. “Other initiation methods could include command wires, timers and victim-operated mechanisms; if these initiation methods can be mitigated through the use of the RF techniques they will also be considered.”

The competition focuses on three challenge areas: capturing and analysing RF signals using novel spectrum survey techniques; neutralising targets; and new or novel hardware and components.

“ECM systems need to counter an ever-growing range of electromagnetic technologies operating across the RF spectrum, using an ever growing and diverse range of signalling schemes,” the MoD said. “Proposals need to be considerate of the cognitive, physical and, training burden that will be placed on the bearer (vehicle and service person) by any proposed solution.



A simulated IED attack on an exercise at Shoalwater Bay.

DEFENCE

“This call is looking to generate novel technologies and techniques that can rapidly be developed to deliver life-saving protection against IEDs, while being adaptable to evolving technologies and able to operate in an increasingly congested electromagnetic spectrum.”

Phase 1 of the competition (proof of concept demonstrations) will provide £150,000 in funding for nine months to 10 projects. New applicants will be eligible to compete for later stages.

More information is available [here](#).

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FORTHCOMING EVENTS

ADM EVENTS

More detail on ADM Events can be found on our [dedicated website](#).

- [ADM Women in Defence Awards](#) – 25 June 2020
- [ADM STEM and Defence Summit](#) – 19 August 2020, Novotel | Brisbane
- [ADM Defence Estate and Base Services Summit](#) – 15 September 2020 | Canberra
- [Defence in the North](#) – 28 October 2020 | Darwin Convention Centre
- [ADM Space Summit](#) – 3 December 2020, Hyatt Hotel | Canberra

AIRBUS DEFENCE AND SPACE INDUSTRY ENGAGEMENT ROADSHOW

DATE postponed until further notice

LOCATION Various

WEBSITE www.airbus.com/space.html

The purpose of the briefings is to engage Australian industry and identify potential roles in the pursuit, delivery and support of projects of interest to Airbus Defence and Space such as but not limited to satellite and terrestrial communication networks, processing of imagery and data and surveillance sensors. Airbus are particularly interested in companies with the following capabilities, but not exclusive to: Advanced manufacturing; Electronics/Electrical engineering; Antenna design and manufacturing; Mobile Terminals; Electrical harness; Software development; Payload development; Infrastructure.

CYBER DEFENCE NEXT GENERATION TECHNOLOGY & SCIENCE CONFERENCE

DATE: postponed until further notice

LOCATION: Brisbane

WEBSITE: wp.csiro.au/cdng

The Cyber Defence Next Generation Technology and Science Conference, is a first of its kind scientific and technology focused Cyber Defence Conference. The aim is to have the community of cyber-security under the “Next Generation Defence Technologies | Cyber Research” program in collaboration with DST-Data61 and partner universities meet together, expose relevant research activities and discuss future collaborations.

CERTIFICATE IV IN RESPONDING TO ORGANISATIONAL COMPLEXITY | CANBERRA

DATE postponed until further notice
LOCATION to be confirmed
WEBSITE iccpm.com/events/certificate-iv-canberra-2020

Developed and offered exclusively by ICCPM (RTO number 41394), the Certificate IV in Responding to Organisational Complexity helps project leaders develop the skills and attributes they need to respond to complexity, as defined in the Complex Project Manager Competency Standards. This is a highly interactive course which introduces project leaders to useful tools and methodologies with a strong focus on the practical application of concepts to real-world situations.

WILLIAMS FOUNDATION SEMINAR: NEXT-GEN AUTONOMOUS SYSTEMS

DATE postponed until further notice
LOCATION: National Gallery of Australia
WEBSITE www.williamsfoundation.org.au

Building upon the existing foundations of ADF capability, the aim of the March seminar is to explore the force multiplying capability and increasingly complex requirements associated with unmanned systems. From its origins at the platform level, the opportunities and potential of increased autonomy across the enterprise are now expected to fundamentally transform Joint and Coalition operations.

ASIA-PACIFIC SECURITY INNOVATION SUMMIT

DATE postponed until next year
LOCATION Queenstown, NZ
WEBSITE www.apsisummit.com/page/apsi-summit-2020

The theme of this year's APSI summit, to be held in Queenstown on the South Island, is Strengthening Security Resiliency Through Partnerships and Alliances.

AUSCERT 2020

DATE: 02-05 June 2020
LOCATION: The Star, Gold Coast
WEBSITE: www.auscert.org.au/giveaway

The AusCERT Conference is the oldest information security conference in Australia. Each year, we attract in the vicinity of 800 participants and approximately 50 sponsors. AusCERT is hosting more than 50 speakers at AusCERT2020, as well as an array of tutorials, workshops, networking events & much more.

QUANTUM TECHX

DATE 08 June, 2020
LOCATION TBC
WEBSITE www.quantumtx.com.au/qtx-program

TechX is powered by leading innovation providers, Atomic Sky, and its team of experienced business scale-up facilitators. It's supported by a range of financiers, corporate and government partners who provide access to sites, specialist sector expertise, technical mentors and networks. Through the program each company will be provided condensed capability building, tailored site visits and direct mentoring to build capability, capital and connections.

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.

2020 VERNON PARKER ORATION AND DINNER

DATE 17 June 2020
LOCATION Hotel Realm, Canberra
WEBSITE navalinstitute.com.au/2020-vernon-parker-oration-and-dinner

Sir Peter Cosgrove has kindly agreed to deliver the 2020 Vernon Parker Oration on 17 June. Sir Peter was Governor-General from 2014-2019 and former Chief of the Defence Force. In January 2020 Sir Peter accepted the voluntary role as chairman of the Business Council of Australia's Community Rebuilding Initiative in response to the 2019/20 bushfires.

43RD COSPAR SCIENTIFIC ASSEMBLY

DATE 15 – 22 August 2020
LOCATION International Convention Centre Sydney
WEBSITE www.cospar2020.org

The Australian space research community enthusiastically extends the invitation to you, to meet with us for COSPAR 2020, and in so doing to forge the friendships and opportunities that will connect space research for global impact. The 2020 Assembly will combine the latest in space research findings with activities designed to enrich the global space research community – including helping equip our future leaders, and workshopping with space industry – and inspire the next generation of scientists and engineers.

PROJECT AND PROGRAM MANAGEMENT SYMPOSIUM 2020

DATE 25-26 August 2020
LOCATION Canberra Rex Hotel
WEBSITE www.pgcsymposium.org.au

PGCS 2020 is designed to help project and program managers, and their sponsors and senior managers, develop the skills and understanding needed to deliver projects success in the next decade. Now in its 8th year, PGCS 2020 will focus on ways to build the foundations needed to create project and program success.

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

2021

AVALON 2021**DATE** 23 – 28 February 2021**LOCATION** Avalon Airport

The Australian International Airshow and Aerospace & Defence Exposition is one of Asia-Pacific's most prestigious aviation and aerospace events and the most comprehensive aviation, aerospace and defence exposition in the southern hemisphere. Avalon hosts multiple concurrent conferences and expo streams, across the spectrum of Defence, Airlines, Business and General Aviation, Sport and Recreational Aviation, Airports, MRO, Space, Unmanned Systems, Air Safety and Ground Equipment.

VARIOUS DATES**NSW DEFENCE INNOVATION NETWORK'S REGIONAL ROAD SHOW****DATE:** Various**LOCATION:** Various**WEBSITE:** defenceinnovationnetwork.com/din-regional-road-show-2019-20

NSW Defence Innovation Network and AIDN will be undertaking a series of small business focused regional forums across NSW. Register to attend and hear about the programs, grants, opportunities and services the NSW Defence Innovation Network (DIN) provides to the small business community across NSW. We encourage small businesses to engage with us and participate in opportunities across our networks, including DIN's seven partner universities, as well as with other state and federal agencies.

DEFENCE READINESS SEMINAR SERIES**DATE** postponed until further notice**LOCATION** Various**WEBSITE** bit.ly/37fipjH

The Defence Readiness Seminar Series kicked off in November last year. If you are considering entering the Defence market, or have staff you consider require orientation to the Defence market, you are strongly encouraged to consider this invaluable series, shaped and developed by people in the Hunter that have worked closely in the Defence Industry over many years. Please see the website for more information on how to get involved.

2020 ICCPM INTERNATIONAL ROUNDTABLE SERIES

DATE Various (April, August)

LOCATION Various

WEBSITE iccpm.com/2020-rs

One of the characteristics of complex projects is that they emerge over time. This creates uncertainty for project leaders. To support project success, project leaders need to understand how to manage risk in uncertainty and identify new opportunities. The International Roundtable Series is a Thought Leadership initiative that brings together senior project leaders and leading academics from different industries to share their experience and international perspectives. The outcomes report will share these insights to improve project success.