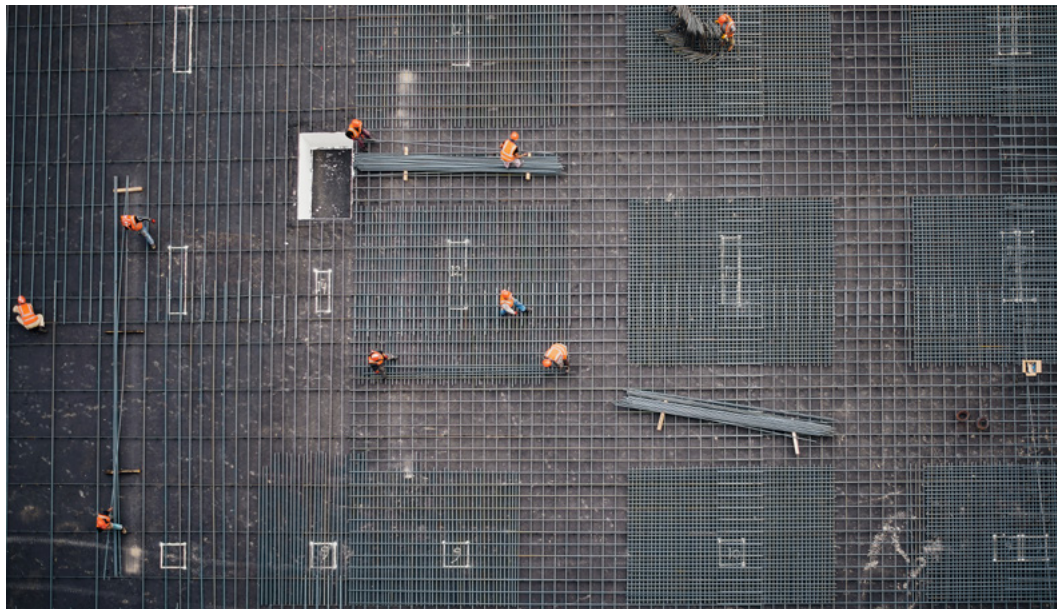


ADM

AUSTRALIAN DEFENCE MAGAZINE

SERVING THE BUSINESS OF DEFENCE

DEFENCE WEEK PREMIUM EDITION



It appears that only one of the 91 estate works programs scheduled for April and May this year has resulted in a grant.

UNSPLASH

MAJOR INDUSTRY SUPPORT PLAN STRUGGLES TO MATERIALISE

On 14 May, the government announced that it intended to release almost \$870 million of estate works to the market over three years to support defence industry through the COVID-19 pandemic. However, it appears that only one of the 91 work packages scheduled for release over the last two months has resulted in a grant.

EWEN LEVICK AND KYLIE LEONARD | SYDNEY

In the announcement, Minister for Defence Linda Reynolds said that the Forward Release Program aimed to sustain the pipelines of Australian businesses through over 300 work packages.

"This announcement is aimed at sustaining a steady pipeline of work for thousands of Australians, on top of the more than \$4.7 billion of payments paid early to Australian defence industry since 23 March," Minister Reynolds said.

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“The timely funding of Defence estate projects are important for the sector and the Australian economy,” Minister for Defence Industry Melissa Price said. “This proactive advice to defence industry allows our partners to plan for upcoming works that are scheduled for release on AusTender.”

The announcement pointed to further information available on the Defence Estate Quality Management System (DEQMS) website and alerts delivered through adjusted existing AusTender notices. The website contains a Defence Estate Works Program Update for scheduled procurement activities between May and December 2020. It is

dated to 14 April, prior to the ministerial announcement.

**“THE REMAINING 71
PROGRAMS SCHEDULED FOR
APRIL AND MAY HAVE YET TO
BE RELEASED TO THE MARKET”**

ADM has cross-checked that schedule against AusTender notices and found that just one program of the 91 scheduled for April and May – a Heritage Management Plan consultancy review – has been awarded. The contract value for that review is \$218,215, which represents less than one per cent of the total value scheduled to be released in April and May (between roughly \$123 million and \$351 million). A further nine programs have been released

to AusTender but not awarded, all one month behind schedule, and one had a limited release.

A Defence spokesperson told ADM that ‘over 20 packages’ have been released, including those awarded through limited tender under the Indigenous Procurement Policy. These are listed on the Indigenous Procurement website, which Defence says accounts for at least nine work packages in addition to the 11 found on AusTender.

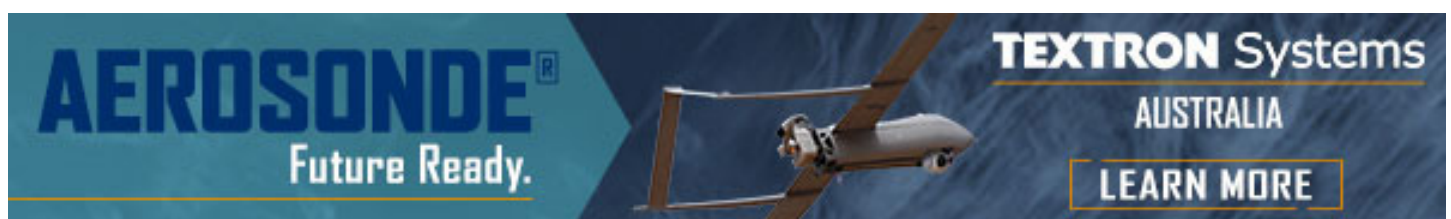
At the time of writing, the remaining 71 programs scheduled to be released over the last two months do not appear to be on the market.

If the remaining programs have not yet been released as planned, this could be seen as a failure to provide timely funding of Defence estate projects to sustain the defence industry pipeline through a pandemic-induced economic downturn.

“The Estate Works forward release program identified more than 300 work packages totalling more than \$870 million for release from April to December 2020,” the Defence spokesperson said to ADM. “Defence has been focused on releasing more immediate works to support local industry and small to medium enterprise during the COVID pandemic.”

According to the spokesperson, the program remains on track.

“The next two weeks will see the release of a further 30 and we remain on track to release the remainder by the end of the year,” the spokesperson said.



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PENTEN READY FOR LAUNCH AS ANCHOR TENANT

UNSW Canberra has welcomed local Canberra cyber security company Penten as the anchor tenant at the University's new collaborative workspace precinct; Launch on Northbourne.

UNSW Canberra Rector, Professor Michael Frater said that the concept of Launch is about the power of collaboration and Penten will be a leading contributor to the success of the collaborative model.

"Penten is a local Canberra company that have achieved great success having been recognised as Telstra's 2018 Australian Business of the year as well as Australia Defence Industry's 2019 Cyber business of the year.

"They also have a strong connection with UNSW Canberra; from advising and teaching into our cyber courses through to the staff they employ with UNSW Canberra alumni being key members of the leadership team," Professor Frater said.

"Penten is forward-thinking and innovative, working on future challenges that industry and Australia will face. I welcome them to Launch and am excited by the research and educational opportunities the collaboration will enable."

Matthew Wilson, CEO of Penten, said that moving to Launch will enable the business to grow in a centrally located area that provides easy access for clients, industry partners and employees.

"The Launch collaboration space provides the opportunity to share ideas, resources and new methods of delivering capability in the defence, space and cyber industries," Wilson said.

"CYBER SECURITY IS A RAPIDLY GROWING INDUSTRY AND DEFENCE IS BECOMING MORE DIGITAL"



Penten's Matthew Wilson, UNSW Rector Michael Frater and ACT Defence Advocate Kate Lundy.

Supplied

According to Wilson, being part of a unique opportunity to contribute to the vibrant and growing community in Canberra focused on Defence and national security whilst sharing space with academia, government and industry partners was part of the appeal of the Launch concept.

"It also means being at the heart of innovation which is something Penten strives to do," Wilson said.

ACT Minister for Advanced Technology and Space Industries, Mick Gentleman said Penten is a local success story, providing world-class sovereign defence and cyber capability and contributing to Canberra's remarkable culture of innovation and excellence.

"It's great to see companies like Penten continuing to grow here in Canberra. By working collaboratively alongside other organisations – like UNSW Canberra – our local advanced technology industries will be well placed to solve the cyber challenges of tomorrow," Gentleman said.

"Cyber security is a rapidly growing industry and defence is becoming more digital and connected. The future fight will include machine-on-machine conflict and we need to ensure Australia has world-leading defence and security technologies to tackle this challenge," Wilson added.

Launch on Northbourne was announced in December last year and is dedicated to the defence and security industries. It is a precursor to the larger Defence and Security Innovation Precinct which will be established at UNSW Canberra's new City campus.

NZ CONFIRMS C-130J SELECTION AND NH90 UPGRADE

NZ Defence Minister Ron Mark has confirmed five Lockheed Martin C-130J-30 Super Hercules transport aircraft will be purchased to replace the existing fleet of C-130Hs.

The proposed acquisition of the C-130J-30 is in response to the NZDF's Future Tactical Air Mobility program, which calls for an Entry into Service (EIS) in 2023. The announcement came as a blow to Brazilian aircraft manufacturer Embraer, which had hoped to sell its new KC-390 multi-role airlifter to the RNZAF.

"Last year, Cabinet selected these aircraft as the preferred option to replace the current Hercules fleet. Procurement of the Super Hercules has been my highest capability priority as Minister of Defence," Minister Mark said. "Along with the new



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IMAGE COURTESY OF GA-ASI.



L3HARRIS

fleet, the NZ\$1.521 billion project will deliver a full mission flight simulator and other supporting infrastructure.

"This fleet will ensure the Defence Force can continue to support NZ's community resilience, our national security, our contribution to our Pacific neighbours and the wider global community.

"The new aircraft will carry a greater payload, is faster and can travel further than the current Hercules aircraft. Each aircraft will also be fitted with additional specialist capabilities, including a wide bandwidth, high speed satellite communications system and an electro-optical/infra-red camera.

**"THIS FLEET WILL ENSURE
THE DEFENCE FORCE CAN
CONTINUE TO SUPPORT NZ'S
COMMUNITY RESILIENCE"**

"This equipment will make our new Super Hercules among the most capable in the world. The satellite communications system will allow imagery, video and data to be streamed in real time, and the camera allows for aerial surveillance, including at the same time as the aircraft is undertaking transport tasks, particularly useful on humanitarian and disaster relief operations and search

and rescue missions," Minister Mark said.

The aircraft and simulator are being acquired through the US Foreign Military Sales (FMS) process as part of a package that includes aircrew and maintainer training.

"As with our decision to acquire the P-8A Poseidon fleet through the FMS process, this has reduced costs and allows collaboration with other nations on developments and system upgrades that will be necessary over the life of the aircraft," Minister Mark said. "The first of the new Hercules will be delivered in 2024, with the full fleet operating from 2025, allowing for a phased retirement of the current fleet."

HELICOPTER UPGRADE

The NZ government has also approved NZ\$21 million to upgrade systems in the Air Force NH90 helicopters to comply with regulatory and operational requirements.

"This investment, building on the first tranche announced last year, will ensure that the NZDF's aircraft are fitted with updated communication, navigation, air traffic



An RNZAF C-130H at the 2019 Avalon Airshow.

NIGEL PITTAWAY

management and identification systems,” Minister Mark said. “The upgrade of the NH90 will be undertaken in cooperation with a number of other nations who operate these helicopters including Australia, Finland, Sweden, Germany, Italy, France, and Norway.”

“Without upgrading these systems the NZDF aircraft may be restricted in operations in both controlled civil and military airspace. Funding for this project will be provided for from NZDF baselines,” Minister Mark said.

FUTURE MOBILITY

A forthcoming Future Strategic Air Mobility program will seek to replace the RNZAF’s two Boeing 757-200 combi aircraft. The DCP calls for engagement with industry for the strategic airlift capability to begin in 2021, with a Request for Tender (RFT) in 2024 and entry into service in 2028. Project cost is estimated to be between NZ\$300 and NZ\$600 million.

AUSTRALIA AND INDIA ADVANCE MILITARY TIES

Two landmark Defence Arrangements between Australia and India have been established as part of the Australia-India Comprehensive Strategic Partnership announced by Prime Minister Scott Morrison and Indian Prime Minister Narendra Modi.

EWEN LEVICK | SYDNEY

The Australia-India Mutual Logistics Support Arrangement and the Defence Science and Technology Implementing Arrangement provide a framework to deepen defence cooperation between the two countries.

Minister for Defence Linda Reynolds said India is a significant security partner for Australia.

“We have a strong shared interest in working together to support a stable and prosperous Indo-Pacific,” Minister Reynolds said.

The Mutual Logistics Support Arrangement will enhance military interoperability, enabling increasingly complex military engagement, and greater combined responsiveness to regional humanitarian disasters.

This arrangement paves the way for greater cross-service military activity, building on the success of AUSINDEX 2019, which focused on anti-submarine warfare.

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VICOR

EVALUATE



Chief Defence Scientist, Professor Tanya Monro, signing the Australia – India Science and Technology Implementing Arrangement at Russell Offices, Canberra. DEFENCE

“THIS ARRANGEMENT PAVES THE WAY FOR GREATER CROSS-SERVICE MILITARY ACTIVITY”

The Science and Technology Implementing Arrangement will facilitate improved collaboration between defence science and technology research organisations, both of whom have made important contributions in response to the COVID-19 pandemic.

“We now have a solid framework for Indian and Australian defence organisations to enhance our research collaboration and develop defence capabilities that help maintain our technological edge in this era of rapid change and increasing threats,” Minister Reynolds said.

“These arrangements reflect India and Australia’s strong commitment to practical global cooperation. We look forward to being able to recommence engagement in person as soon as circumstances permit.”

ADM Comment: Although Australia has long sought to strengthen its military ties with India, which along with Japan is seen as a regional counterweight to China, New Delhi has been more cautious. The revival of ‘the Quadrilateral Security Dialogue 2.0’ between the US, Japan, India and Australia has yielded plenty of discussion but no significant joint military exercise involving all four members. For example, India has yet to allow Australia to participate in the Malabar exercise alongside the US and Japan for fear of antagonising China. This announcement suggests an invite could be on the way.

MOST READ ONLINE AT WWW.AUSTRALIANDEFENCE.COM.AU



1. [QinetiQ Australia to design and construct UAS test range in Qld](#)
2. [How to get more out of the OPVs: ASPI](#)
3. [Optimising Australian Industrial Content in Land 400](#)
4. [Thales study finds economic value in defence spending](#)
5. [Peregrine to soar for RAAF](#)

DEFENCE TESTS HIGH ALTITUDE BALLOON

The first of a series of high altitude balloon launch trials has commenced, with the first balloon being successfully launched this week from West Wyalong in NSW.

The trials test Defence's ability to quickly send sensors and communications equipment into the upper atmosphere carried on a balloon.

The balloon was launched into the stratosphere to explore the under-utilised altitudes between space and where aircraft generally fly.

"The trial aims to demonstrate Australian designed and developed launch capabilities that can deliver and maintain sensor payloads to an altitude that significantly improves situational awareness over a wide area," Minister for Defence Linda Reynolds said.

"Having these high altitude balloons as part of Australia's sovereign capability means that we could deploy advanced sensors into the atmosphere quickly and cost-effectively, giving our forces comprehensive data in the air, on the ground, or at sea."

"Air Force's partnership with ThunderStruck Space will help boost their capability and give us greater opportunities to access innovative Australian stratospheric launch capabilities," Minister for Defence Industry Melissa Price said. "It offers Australian industry the chance to conduct quick and relatively low-cost, pre-launch testing of space payloads, before being integrated onto launch vehicles for deployment into orbit."

"WE COULD DEPLOY ADVANCED SENSORS INTO THE ATMOSPHERE QUICKLY AND COST-EFFECTIVELY"

A 3D printed version of Jasper, an award-winning animated character developed by Air Force to encourage more children to pursue STEM careers, will be filmed as she soars into the stratosphere on one of the balloons.

The trials are taking place in close consultation with the Civilian Aviation Safety Authority (CASA).



The trials test Defence's ability to quickly send sensors and communications equipment into the upper atmosphere.

DEFENCE



A member of Task Group Taji 9 observes an Iraqi Army soldier clearing a 12.7mm Browning machine gun during a live-fire training exercise at the Besmayah training area.

DEFENCE

TASK GROUP TAJI CONCLUDES

Australia has successfully completed its training mission at the Taji Military Complex in Iraq.

Since 2015, Australia has trained more than 47,000 members of the Iraqi Security Forces through the joint Australia-NZ Building Partner Capacity Program.

Australia's support at Taji has enabled the Iraqi Security Forces to increase its capacity to deliver its own training and conduct independent operations.

This has been vital in Iraq's ongoing battle to degrade and defeat Daesh.

Minister for Defence Linda Reynolds commended the ADF for its contribution to Task Group Taji.

"The ADF has been at the very forefront of the work at Taji," Minister Reynolds said. "Last year, I saw firsthand the incredible contribution our personnel have made at Taji, and had the opportunity to thank them for their significant efforts."

"The substantial progress made against Daesh and the increased capacity of the Iraqi Security Forces means that our training mission at Taji has reached logical and natural conclusion.

In November 2019, Australia's local partner, the Iraqi School of Infantry, was the first Coalition facility to declare full independent operating capability, enabling training responsibilities to be handed back to the Iraqi Government.



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MediRecords is a member of the Leidos team bidding for the Health Knowledge Management system under JP 2060 Phase 4. DEFENCE

MEDIRECORDS HELPS DELIVER NATIONAL CORONAVIRUS HELPLINE

Healthdirect Australia and MediRecords, an Australian-owned health tech start-up, joined together to deliver the National Coronavirus Helpline. MediRecords is a member of Leidos Australia's bid for JP 2060 Phase 4.

The helpline was directed to rapidly scale-up in March 2020 to become a go-to source of truth for the public. The scale-up required Healthdirect Australia to quickly add hundreds more staff to the helpline, calling on call centre providers from around the country to meet demand. To achieve this, Healthdirect Australia needed a service provider agnostic call centre management platform.

"Under normal circumstances building a new telehealth service would take a few months, but we really only had a few days," Healthdirect Australia's Chief Technology Officer, Grant Sayer, said. "The new service needed to be standardised so that a panel of call centre providers could use it, have shared access to encounter records

PEOPLE ON THE MOVE

Airbus has named Anand Stanley as President Airbus Asia-Pacific, effective 1 July 2020. Based in Singapore, Anand Stanley will lead the strategy and future positioning of Airbus and its divisions across the region.

NEC Australia has announced the appointment of Mike Mrdak as the company's inaugural Non-Executive Chairperson. Mrdak arrives at NEC Australia following a career spanning more than 30 years with the Australian Public Service in Canberra.

ViaLite Communications has appointed John Meyers as APAC Sales Manager. John brings over 30 years of experience in the Asia-Pacific market to the business and through his vast satcom experience.

and we could leverage consistent data, and it needed to be centralised so we could manage it effectively.”

Healthdirect Australia was able to move very quickly, standing up a robust and scalable telehealth service which managed clinical and general calls in record time. MediRecords technology and Amazon Web Services enabled the build of the bespoke call centre management solution.

“MEDIRECORDS ACTS AS THE DATABASE FOR INFORMATION COLLECTED BY CALL HANDLERS”

MediRecords provided the clinical administration system which was set-up quickly to fit the specifications of the helpline. MediRecords acts as the database for information collected by call handlers on each call.

“The electronic health record system provided by MediRecords enables our call handlers to record up-to-date, relevant clinical encounter information from each caller. From the start, this de-identified data has been a source of valuable information to provide to the government as they continue to deal with COVID-19,” Sayer said.

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.

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WATCH ON DEMAND

FORTHCOMING EVENTS

ADM EVENTS

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

- [ADM Defence Estate and Base Services Summit](#) – 22 September 2020 | Canberra
- [ADM Women in Defence Awards](#) – 23 October 2020 | National Arboretum
- [Defence in the North](#) – 28 October 2020 | Darwin Convention Centre
- [ADM Space Summit](#) – 2 December 2020, Hyatt Hotel | Canberra
- [ADM Congress](#) – 3 February 2021, Hyatt Hotel | Canberra

ONLINE COMPLEX PROJECT SIMULATION

DATE 18 June 2020
LOCATION Online
WEBSITE iccpm.com/events/major-project-simulation

ICCPM was established by the Australian Government with support from the Australian, UK and Canadian Departments of Defence to build organisational capability in the successful delivery of complex projects. It is now offering an exciting opportunity for project leaders, organised in competing teams, to manage and “live” a complex project in the safety of a virtual simulated environment. It enables participants to work on a project from start to finish; to make critical decisions and to see the impact of those decisions – all in a virtual team.

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.

2020 INTERNATIONAL ROUNDTABLE WORKSHOP – BRISBANE

DATE 27 August 2020
LOCATION QUT Brisbane, Gardens Point Campus, Brisbane City
WEBSITE <https://iccpm.com/events/2020-rts-brisbane/>

The International Centre for Complex Project Management (ICCPM) invites project leaders to participate in the 2020 International Roundtable Series. Workshops will be held in key Australian locations and internationally.

AUSCERT 2020

DATE: 15-18 September
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.

2020 VERNON PARKER ORATION AND DINNER

DATE 13 October 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.

2020 ANI GOLDRICK SEMINAR – REMOTE AND AUTONOMOUS SYSTEMS AT SEA

DATE 13 and 14 October 2020
LOCATION Adams Auditorium, Australian Defence Force Academy
WEBSITE navalinstitute.com.au/latest-ani-events-and-archive/

The 2020 ANI Goldrick Seminar will discuss a wide range of issues around Remote and Autonomous Systems at Sea. It will comprise six sessions over 1.5 days covering an overview of Remote and Autonomous Systems at Sea (RAS); RAS in the Littoral Domain; RAS in the Maritime Air Domain; RAS in the Undersea Domain; Measuring Effective, and Legal and Ethical Considerations.

ROTORTECH 2020

DATE 14-16 October 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.

MILCIS 2020

DATE 10 – 12 November 2020
LOCATION National Convention Centre, Canberra
WEBSITE <https://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.

10TH BIENNIAL SIA CONFERENCE 2020

DATE: 17-18 November 2020
LOCATION Hotel Realm, Canberra
WEBSITE <https://www.submarineinstitute.com/sia-conferences>

The 10th Biennial SIA Conference will be held 17-18 November 2020 at the Hotel Realm, Canberra. This year's theme is 'Submarine Build and Sustainment Programs: The Strategic Nature of Reliable, Sovereign Supply Chains'. The Call for Presentations is available on the website.

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.

2021

43RD COSPAR SCIENTIFIC ASSEMBLY

DATE 28 Jan-4 Feb 2021
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 workshoping with space industry – and inspire the next generation of scientists and engineers.

LOCATE21

DATE 30 March – 1 April 2021 (rescheduled dates)
LOCATION Brisbane Convention and Exhibition Centre
WEBSITE <https://www.locateconference.com/2021/>

Due to COVID-19, Locate20 has been rescheduled for Locate21 happening in Brisbane March 30 – 1 April 2021. The event will focus on how geospatial technologies are intersecting with business, Government and defence to address national challenges. It's Australia's premier spatial conference with the inclusion of over 50 inspiring thought-leaders including speakers from government, academia, the defence force, technology, mining, natural resources and more. We believe this conference is of interest to defence personnel.

LAND FORCES 2021

DATE June 1-3 2021
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.

PROJECT AND PROGRAM MANAGEMENT SYMPOSIUM

DATE 10 – 12 August 2021 (rescheduled dates)
LOCATION Canberra Rex Hotel
WEBSITE <https://www.pgcsymposium.org.au>

Foresight is more valuable than hindsight! 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. Creating the organisational capability needed to underpin the consistent delivery of successful projects in the 2020's starts at the top. Now in its 8th year, PGCS 2020 will focus on ways to build the foundations needed to create project and program success

AVALON 2021**DATE** 23-28 November 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.

2022**PACIFIC 2020 BECOMES INDO PACIFIC 2022****DATE** May 2022**LOCATION** Sydney Convention Centre**WEBSITE** www.pacificexpo.com.au

Reflecting the increasing importance of the Indo Pacific region to the entire world, the PACIFIC International Maritime Exposition will become the INDO PACIFIC International Maritime Exposition from 2022. Initially, there will be a new timing. Instead of the previously planned PACIFIC dates in August 2021, INDO PACIFIC will now, in the wake of COVID 19, initially be held during May 2022.

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 (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.

ICCPM ONLINE WORKSHOPS

DATE Various
LOCATION Online
WEBSITE www.iccpm.com/online-workshop-webinars

Designed to support project teams who are experiencing new challenges due to COVID-19 concerns – Learn how to mitigate new risk levels, effectively deploy virtual teams, manage messy problems and more. ICCPM Online Workshops and Webinars provide you with an easily accessible and engaging option to continue your training from anywhere in the world. These options provide you and your team with a conducive learning environment to support your complex project success.

DEFENCE READINESS SEMINAR SERIES

DATE Various (25 February – 20 October 2020)

LOCATION Various

WEBSITE <https://bit.ly/37fipjH>

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ICCPM ONLINE WORKSHOPS

DATE Various

LOCATION Online

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