

# ADM

AUSTRALIAN DEFENCE MAGAZINE

SERVING THE BUSINESS OF DEFENCE

## DEFENCE WEEK PREMIUM EDITION



A soldier takes up a firing position during an exercise in the NT.

DEFENCE

## NORTHERN AUSTRALIA DEFENCE SUMMIT HIGHLIGHTS

In a first for an **ADM** Event, the 9th annual Northern Australian Defence Summit was purely virtual this year, allowing a greater number of delegates to take part.

**KATHERINE ZIESING | CANBERRA**

Chaired by Sitzler's Defence lead Jason Meizio, the event gathered a range of speakers from around the nation.

Opened by NT Chief Minister Michael Gunnar, both the geostrategic importance of Australia's northern approaches and the large amount of investment going into the region by both the ADF alongside the US and Singapore were covered.

The infrastructure build in Australia's north is a long term multibillion-dollar effort, with remediation, upgrade and new build efforts to support joint and single nation training objectives. Under both the US Force Posture Initiative (USFPI) and Australia-Singapore Military

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Training Initiative (ASMTI), work has begun on many fronts with some key milestones due in the coming 12 months. In fact, the USPFI is celebrating its 10-year anniversary this year.

“As attention turns to the north, the Territory is taking our place as an exemplar of national resilience,” Gunnar said. “You can’t live in Darwin without being aware of strategic risk and opportunity.”

Minister for Defence Industry Melissa Price was also encouraging businesses to “maximise your opportunities that will come from our massive investment in northern Australia” as the announcement for the Managing Contractor for the \$800 million

**“WE ARE INVESTING OVER  
\$360 MILLION IN THE NT  
ALONE THIS YEAR”**

new Greenvale build in north Queensland is imminent. The program is the training centrepiece of the ASMTI training area located near Greenvale. The existing Shoalwater Bay Training Area in Central Queensland is being expanded and a new training area is being established near Greenvale in North Queensland. These training areas will be owned and managed by the Australian Government.

“The key part of our workforce is actually industry,” Steve Grzeskowiak, Deputy Secretary of Estate and Infrastructure Group (E&IG) said. “The industry workforce is far bigger than our internal workforce – 8,500 people coming onto bases every day, and that’s not including people involved in major construction.”

Colonel Leonard Rouwhorst Director North – Capital Facilities & Infrastructure at E&IG went through an impressive list of programs in the NT alone.

“We are investing over \$360 million in the NT alone this year, more than a 50 per cent increase from last year. This is set to increase further, with \$665 million forecast to be spent each year for the next three years,” COL Rouwhorst said.

Also on the capability front, Captain Anthony Savage, Director OPV SPO and Transition Maritime Systems Division for RAN went through how the Plan Galileo approach to regional maintenance centres (RMCs) across the north are progressing. The Arafura class OPVs are the pilot program for the approach but elements of the framework are already being applied across the top of the nation.

“We are using demand modelling, standardisation of contracts and systems, incentives, pre-qualification of subcontractors for specific tasks, and longer term contracts to improve engagement with industry,” CAPT Savage said.

Captain Savage has also been impressed with how the various sustainment companies in these areas around Townsville and Cairns in particular have gone above and beyond during a challenging 2020.

The NT Government’s Defence and National Security advisor Professor Alan Dupont gave an excellent overview of his new role and how the NT government is working with numerous parties to leverage their geographic and economic advantages.



Giving the uniformed perspective on the ground, Colonel John Papalitsas, Commander Regional Force Surveillance Group (RSFG – check out the video link for a fantastic overview of the Group), outlined how the Group has quadrupled their efforts in 2020 compared to the previous year under a range of activities.

“When the biosecurity zones went down, about a third of our workforce was unable to be employed,” COL Papalitsas explained. “We needed to do more with fewer of our people. I can only thank them for their service and dedication.”

Colonel Papalitsas has also been dual hatted for most of the year, co-running the state response to COVID including everything from border crossings and quarantine through to managing how to work with international parties like the US Marine force rotation. To top it off, a new training centre that has tripled its capacity with the modularisation of courses and partnership with education providers will be opened by the Chief of Army at the end of November. Colonel Papalitsas is understandably proud of his personnel that work so closely with indigenous communities, but will be moving on at the end of the year to a new posting.

Dr Malcolm Davis of ASPI highlighted the growing importance of the space domain and advocated for a sovereign Australian responsive space launch capability.

Ian Irving, CEO of the Naval Shipbuilding College, outlined their growing national network of training providers and efforts to attract workers from adjacent industries.

ADM would like to thank our sponsors and partners in Sitzler, Team Downer and the NT Government for their support in helping bring this event together.

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## WOMEN IN DEFENCE AWARDS WINNERS

**Last week we celebrated the winners and Hall of Fame inductee of ADM's Women in Defence Awards with over 600 people via a virtual event.**

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**KATHERINE ZIESING | CANBERRA**

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**W**ith winners from APS, in uniform, Primes and SMEs the field of contenders was strong and diverse. From working in submarines to the Hawk lead in fighter and joining us from a firing range to moving to a new house to maternity leave, our finalists told their stories and shared their journeys.

You can still watch the event online if you missed it but the winners are:

- Communications – Prudence (Prue) Rhodes of Downer Defence Systems (Downer)
- Project Management – Sharon Wilson of ASC Shipbuilding, a BAE Systems Australia company with a Special Mention for Letitia Van Stralen of Royal Australian Navy
- Engineering – Siobhan Ann Sturdy of Royal Australian Navy
- Legal and Contracting – in a first for the program, the judges could not find daylight between Liesl O'Meara of Northrop Grumman Australia and Clare Little of QinetiQ Australia awarding them joint winners.



Hall of Fame winner Karen Stanton and Managing Editor Katherine Ziesing.

@KZIESING

- Operations – Jessica Buley of Royal Australian Navy and a Special mention for Antoinette Jayetileke of Australian Army
- People and Culture – Karyn Hinder of Working Spirit
- Technical Trade – Amy Macallister of Boeing Defence Australia with a Special Mention for Kavita Gahlawat of EOS
- Rising Star – Amy Stringfellow of Defence Science and Technology Group with a Special Mention for Keren Reynolds of BAE Systems Australia

**“A HUGE CONGRATULATIONS  
TO ALL THE WOMEN AND  
THEIR ALLIES INVOLVED IN  
THIS PROGRAM TO DATE”**

This year’s Hall of Fame inductee is Dr Karen Stanton, the owner and director of Heat Treatment Australia (HTA) Group. Manufacturing for Defence in both Australia and the US, Karen has travelled the SME path to export success and working across a range of industries. While running this business, she also on the advisory board of the Centre for Defence Industry Capability (CDIC) and other companies as well. She takes her place alongside our previous Hall of Fame winners for a lifetime of solid work in the Defence space. We’ve recently chatted to both our past Hall of Fame winners about their experiences in the ADM Podcast, an insight into how things have changed since they began their careers.

**ADM Comment:** A huge congratulations to all the women and their allies involved in this program to date. As a judge myself, I adore reading all the applications that come through. They are inspiring, heart-warming and sometimes even heartbreaking in some cases. There are differences with many of the journeys but the common themes of

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Women in Defence Awards



perseverance, the importance of community and backing yourself are testament to the brilliance of these finalists.

I would also like to thank our sponsors SYPAQ, Naval Group, Airbus, BGIS, Boeing, Broadspectrum A Ventia company, and Leidos for their support in bringing this program together.

We're looking forward to launching next year's program at the 2021 ADM Congress on February 3 in Canberra and online.

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## KONGSBERG PLACES RF SENSOR ORDER WITH BAE SYSTEMS AUSTRALIA

**BAE Systems Australia (BAES) has won a full rate production order from Norway's Kongsberg Defence and Aerospace for passive radio frequency (RF) sensors that will significantly enhance the capability of the precision-guided, stand-off Joint Strike Missile (JSM).**

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**JULIAN KERR | SYDNEY**

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**T**his initial order is part of a broader cooperation agreement under which Kongsberg and BAE Systems have been successfully operating for the past five years, BAE Systems said in a 23 October statement.

The order followed a set of flight trials that had demonstrated the successful integration of the electronics systems into the missile, which can engage targets on sea or land at ranges of up to 200 km.

The trials are understood to have taken place in Norway in the past few months. Some sensors are known to have been delivered to Kongsberg by BAES in late 2018



A concept image of the Joint Strike Missile to which the sensor will be fitted.

KONGSBERG

for integration and qualification purposes.

The JSM is being considered by the RAAF under JP 3023 Maritime Strike to equip its F-35A Joint Strike Fighters and other platforms, and is the only anti-ship and land target cruise missile that can be carried internally by the F-35As being acquired by both Australia and Norway.

The missile, evolved from Kongsberg's Naval Strike Missile, is expected to first enter service with the Royal Norwegian Air Force in 2023 and has already been ordered by Japan.

**"DEVELOPMENT AND PRODUCTION OF THE SENSOR IS UNDERSTOOD TO HAVE ALL BEEN UNDERTAKEN IN AUSTRALIA"**

BAES received funding in 2013 under the Priority Industry Capabilities programme to support development of the seeker technology, and a government to government agreement in 2015 formalised Australian-Norwegian collaboration on the JSM program.

Although the BAES release did not provide any details of the capability improvements, the company disclosed in April 2017 that an electronic support measure (ESM) receiver being provided to Kongsberg for incorporation on the JSM "will feature an additional land-attack and littoral attack capability."

Kongsberg revealed at the same time that in addition to the missile's existing advanced imaging infrared seeker, the RF seeker sensor would enable the JSM to locate targets on the basis of their electronic signature.

Both companies' comments followed Defence's 2017 signature of a 150 million Krone (\$A11.6) contract with Kongsberg to continue the integration and qualification of the sensor into the JSM.

The miniaturised sensor is understood to weigh less than 2.5 kg and operate up to 18 gigahertz in the High Frequency range.

Recent development has been funded jointly by Kongsberg and BAES.

Apart from the manufacture of one small processor card, design, development and production of the sensor is understood to have all been undertaken in Australia, with Intellectual Property held by BAES.

**MOST READ ONLINE AT [WWW.AUSTRALIANDEFENCE.COM.AU](http://WWW.AUSTRALIANDEFENCE.COM.AU)**



1. [Women in Defence Awards live stream](#)
2. [Loyal Wingman completes first taxi test](#)
3. [Largest slipway in northern Australia completes expansion](#)
4. [Getting Defence programs approved – a comparison](#)
5. [Rheinmetall to export Australian turrets to Hungary](#)



**A NEW GENERATION OF WESCAM MX™ MARITIME SENSORS**

IMAGE COURTESY OF AUSTRAL.



# AIRBUS AND NORTHROP GRUMMAN SIGN TEAMING AGREEMENT

**Airbus Australia Pacific has signed a strategic teaming agreement with Northrop Grumman Australia to cooperate in the delivery of advanced and optimised aircraft sustainment capabilities at RAAF Base Edinburgh in SA.**

The collaboration between the Australian operations of the two companies will see a focus on aircraft sustainment activities from 2021 onwards.

“At Airbus Australia Pacific, we are proud to provide ongoing support to the sustainment activities on critical platforms for the RAAF with Northrop Grumman Australia,” Andrew Mathewson, Managing Director Airbus Australia Pacific, said. “Our strategic teaming agreement allows us to expand on our collective capabilities and provide our RAAF customer with the best possible outcomes.”

“With the imminent arrival of ground-based infrastructure for the MQ-4C Triton unmanned system, we are already working on expanding our presence at Edinburgh,” Chris Deeble, chief executive, Northrop Grumman Australia, said. “This agreement underscores Northrop Grumman’s commitment to Australian investment across advanced capabilities, skills and jobs in support of the country’s strategic defence programs.”

Northrop Grumman is building the MQ-4C Triton Network Integration Test Environment at RAAF Base Edinburgh, which will allow the RAAF to progress from basic continuity testing between distributed environments to an advanced integration capability development environment.

Australia is currently scheduled to receive the first ground control station in 2022 and the first Triton air vehicles in 2023. In June the Commonwealth reiterated its commitment to the program despite a production pause announced in US budget papers earlier in the year.



Northrop Grumman is building the MQ-4C Triton Network Integration Test Environment at RAAF Base Edinburgh to support the arrival of Australia’s Triton UAVs.

NORTHROP GRUMMAN

# RUAG AUSTRALIA SECURES NEW US MH-60R SEAHAWK CONTRACT

**RUAG Australia has been awarded new contracts by the US Navy for component maintenance, repair and overhaul (MRO) on MH-60R Seahawk helicopters.**

The contracts are authorised under the AUSMIN Defence Acquisition Committee (ADAC) initiative, a collaboration between the US and Australian Departments of Defence.

RUAG says it is able to build upon its reliable performance and support in the componentry for the SH-60B Seahawk for the contracts. This is the second US Navy platform RUAG Australia is set to support, in addition to the F/A-18 Hornet contracts awarded in August.

“Earning the confidence and trust of the US Navy is testament to our highly skilled team of professionals who provided reliable MRO support for the B model Seahawk,” Terry Miles, General Manager RUAG Australia, said. “[Being] awarded the first contracts for F/A-18 components and the MH-60R Seahawk proves our relationship continues to go from strength to strength.”

RUAG Australia is the first Australian company to receive an award under the ADAC initiative

**“EARNING THE CONFIDENCE  
AND TRUST OF THE US NAVY  
IS TESTAMENT TO OUR HIGHLY  
SKILLED TEAM OF PROFESSIONALS”**



A RAN MH-60R Seahawk helicopter from 816 Squadron, Nowra, during a recoverable torpedo exercise.

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covering the MRO of selected components for MH-60R Seahawk helicopter. This program designates the defence SME as an approved source of repair for Navy Supply (NAVSUP) within the APAC region.

ADAC is a senior bilateral forum for cooperation between the US and Australian militaries.

"We are very proud to apply our vast technical expertise and know-how in life cycle support on behalf of the US fleet and their aircraft availability," Stephan Jezler, Senior Vice President Aviation International, RUAG MRO International, said.

## DEFENCE INVESTS IN NEW FLEET INFORMATION ENVIRONMENT

**The government is investing \$600 million in a new Fleet Information Environment, including upgrades to naval systems and computer networks.**

A further \$100 million will be invested in additional infrastructure work in Darwin, Cairns, Rockingham, Canberra and Sydney.

The project will deliver new software and hardware, based on a design which allows the system to be continuously updated and upgraded with the latest available technology out to 2040.

**"THESE UPGRADES WILL  
PROVIDE OUR SAILORS WITH  
FASTER, MORE CAPABLE AND  
MORE SECURE COMPUTER BASED  
INFORMATION SYSTEMS"**

A Deployed Network Integration Centre will be established in Canberra where Australian companies will be able to work in a collaborative environment with Defence on testing their products for future upgrades.

"These upgrades will provide our sailors with faster, more capable and more secure computer based information systems which are all vital in ensuring

our ADF can operate in contested, congested and degraded information environments," Minister for Defence Linda Reynolds said. "As outlined in the 2020 Force Structure Plan, decision superiority in the maritime domain is essential for Defence's ability to conduct operations.

"Deploying ships to sea presents unique information management challenges and require computer networks that are designed to remain effective even in low bandwidth



or congested communications environments.

"Australian industry and Defence have worked closely on developing and building this capability," Minister for Defence Industry Melissa Price said.

The first stage of the upgrades to Navy platforms will commence in 2021 with HMAS *Leeuwin* in regional Far North Queensland.

The announcement appears to mark the de facto launch of Project Sea 2273.

Modernising the FIE was first announced in 9 April 2019 by then Defence Minister Christopher Pyne, who said that rolling out contemporary computer systems across the RAN fleet would take place "over the next decade" at a cost of around \$600 million.

Then Defence Industry Minister Linda Reynolds said that with technology moving rapidly, many FIE components required upgrading and Australian industry would be approached to provide innovative solutions.

Pyne did not refer specifically to Sea 2273 in his April 2019 statement, nor was any project number given in the 23 October announcement. Industry sources believe the correct reference is now Sea 6036.

The existing FIE is used across the RAN fleet to exchange information within ships or between different vessels across both classified and unclassified networks.

An industry briefing in 2019 said Sea 2273 was intended to deliver a "modern, cyber-worthy, multi-enclave information system" to the RAN across four classification levels: secret, protected, official and coalition.

The new FIE would be developed using a modular design architecture to ensure the solution could be upgraded in the future.

While Defence had already developed a prototype system to test the architecture, it did not intend to "automatically" use these products for the full system design, the briefing was told.



HMAS *Leeuwin* will be the one of the first platforms to be upgraded.

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Minister for Defence Industry Melissa Price has announced changes to grant programs.

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## DEFENCE GRANTS BECOME EASIER TO ACCESS

**The government is making it easier for small and medium sized businesses in the defence sector to access defence industry grant programs.**

From 12 November, changes to the co-contribution ratios in three existing defence industry grant programs will take effect.

The co-contributions have been reduced from the existing 50:50 ratio, as follows:

- New applicants for a Capability Improvement Grant or a Defence Global Competitiveness Grant will only be required to fund 20 per cent of the value of their eligible project; and
- New applicants for a Sovereign Industrial Capability Priority Grant will only be required to fund 30 per cent of the value of their eligible project.

**“WE ARE REINVIGORATING  
THE CENTRE FOR DEFENCE  
INDUSTRY CAPABILITY”**



In another move to support industry, maximum grant values will increase:

- Sovereign Industrial Capability Priority Grants will increase from \$50,000-\$1 million to \$70,000-\$1.4 million;
- Capability Improvement Grants will increase from \$2,500-\$150,000 to \$4,000-\$240,000; and
- Defence Global Competitiveness Grants will increase from \$15,000-\$150,000 to \$24,000-\$240,000..

“This builds on our announcement earlier this month that we are investing an extra \$24 million in defence industry grants programs as part of our commitment to build a robust, resilient and internationally competitive defence industry,” Minister for Defence Industry Melissa Price said. “We are reinvigorating the Centre for Defence Industry Capability and have made significant improvements to the Australian Industry Capability program.”

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## SINGAPOREAN HELICOPTERS FLY FROM AUSTRALIAN LHDS

**Singaporean CH-47 Chinook heavy-lift helicopter crews have qualified to take off and land on Australia’s Canberra class LHDS.**

The Singaporean CH-47 crews, permanently based at Oakey in Queensland, spent two days flying from Townsville to HMAS *Adelaide* at sea to undertake Deck Landing Qualifications.

This included communicating with the warship’s flight control room and being guided by Australian sailors on the flight deck.



An RSAF CH-47 lands on an Australian LHD as part of the qualification process.

DEFENCE

Minister for Defence Linda Reynolds said qualifying Republic of Singapore Air Force personnel to operate their CH-47 aircraft with the Australian Navy was a force-multiplier for both nations.

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**“SINGAPORE MAINTAINS  
AN ONGOING NUMBER  
OF CH-47S AT OAKLEY”**

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“The ability to operate our largest amphibious vessels with Singapore’s CH-47 Chinook helicopters means we can work together to mobilise and move personnel or supplies at sea, and enhance our combined joint capability,” Minister for Defence Linda Reynolds said.

“Singapore maintains an ongoing number of CH-47s at Oakley. These are the same aircraft that came to Australia’s aid during the 2020 bushfire emergency, underscoring the utility of being able to operate with Singapore in a crisis. We will always be grateful for Singapore’s assistance during our time of need.”

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## AUSTRALIA REDUCES NAVAL PRESENCE IN MIDDLE EAST

**The ADF is reducing its naval presence in the Middle East to refocus on the Indo-Pacific, according to Minister for Defence Linda Reynolds.**

“This year alone has seen Navy respond to the bushfire and COVID-19 crises, a five-ship deployment throughout South East Asia and the Pacific, a continued commitment to initiatives under the Pacific Step Up, and several highly successful activities with our regional partners,” Minister Reynolds said. “We now face an increasingly challenging strategic environment which is placing greater demand on ADF resources closer to home.

“As a result, the ADF will reduce its naval presence in the Middle East to enable more resources to be deployed in our region.”

The changes include ceasing the annual deployment of a warship to the Middle East, and not extending Australia’s time-bound commitment to the International Maritime Security Construct (IMSC) beyond December 2020.

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### PEOPLE ON THE MOVE

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BMT has appointed John Godwin as Regional Business Development Director for the Asia Pacific region. The appointment comes as BMT is set to announce Singapore as its strategic hub for Asia.

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“For over 30 years we have supported freedom of navigation, maritime security and the free flow of commerce in the Middle East,” Minister Reynolds said. “In cooperation with our partners, our commitments have been invaluable in disrupting global drugs trade, supporting the reduction of funding lines to terrorism activity and building the capacity of regional forces.”

**“THE ADF WILL REDUCE ITS NAVAL PRESENCE IN THE MIDDLE EAST TO ENABLE MORE RESOURCES TO BE DEPLOYED IN OUR REGION”**

Chief of Joint Operations, Lieutenant General Greg Bilton said these are historic changes for the ADF.

“The outstanding contribution of RAN ships has been highly valued by our partners in the Middle East,” LTGEN Bilton said.

The ADF will maintain staff positions with the Combined Maritime Forces, the US Naval Forces Central Command, and within Joint Task Force 633.

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# FORTHCOMING EVENTS

## ADM EVENTS

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

- [ADM Space Summit](#) – 2 December 2020, Hyatt Hotel | Canberra and online
- [ADM Congress](#) – 3 February 2021, Hyatt Hotel | Canberra and Online
- [ADM Defence Estate and Base Services Summit](#) – 23 February 2021, Hotel Realm | Canberra and Online

## ASDEFCON TD /IP ONLINE COURSES

**DATE** Various  
**LOCATION** Online  
**WEBSITE** [defence@majortraining.com.au](mailto:defence@majortraining.com.au)

Defence have begun online delivery of its short course on the Technical Data / Intellectual Property (TD/IP) clauses in its ASDEFCON suite of templates. These clauses provide far more flexibility and scope to deal with TD/IP issues than the previous ones. Defence will offer a number of spaces to Defence Industry on each online course to ensure the new TD/IP regime is successfully adopted by industry. These positions are centrally funded by Defence.

## ONLINE COMPLEX PROJECT SIMULATION

**DATE** 13 November 2020  
**LOCATION** Online  
**WEBSITE** <https://iccpm.com/events/simulation-november-2020/>

The next delivery for our Online Complex Project Simulation will be on the 13th November 2020. The Spatium Simulation provides a realistic environment for you to put your complex project management skills to the test and work with project leaders from different industries.

## 10TH BIENNIAL SIA CONFERENCE 2020

**DATE:** 17-18 November 2020  
**LOCATION** Hotel Realm, Canberra and online  
**WEBSITE** [submarineinstitute.com/sia-conferences](http://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.

## 2021

**43RD COSPAR SCIENTIFIC ASSEMBLY**

**DATE** 28 Jan-4 Feb 2021  
**LOCATION** International Convention Centre Sydney  
**WEBSITE** [cospar2020.org](https://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.

**LOCATE21**

**DATE** 30 March – 1 April 2021 (rescheduled dates)  
**LOCATION** Brisbane Convention and Exhibition Centre  
**WEBSITE** [locateconference.com/2021](https://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** [landforces.com.au](https://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.

## **ROTORTECH 2021**

**DATE** 15-17 June 2021  
**LOCATION** Royal International Convention Centre, Brisbane  
**WEBSITE** [rotortech.com.au](http://rotortech.com.au)

The new dates for Rotortech will be Tuesday 15 June to Thursday 17 June 2021. The venue, the Royal International Convention Centre in Brisbane, is unchanged. Rotortech is the region's premier helicopter and unmanned flight systems showcase and forum, featuring more than 100 participating companies and key speakers from industry and government. We believe that deferring Rotortech to its new June 2021 dates will achieve this goal by moving the event to a time where the COVID situation will have improved and the current uncertainties will have passed.

## **PROJECT AND PROGRAM MANAGEMENT SYMPOSIUM**

**DATE** 10 – 12 August 2021 (rescheduled dates)  
**LOCATION** Canberra Rex Hotel  
**WEBSITE** [pgcsymposium.org.au](http://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

**INDO PACIFIC 2022**

**DATE** 12 May 2022  
**LOCATION** ICC Sydney  
**WEBSITE** [pacificexpo.com.au](https://pacificexpo.com.au)

INDO PACIFIC, the biennial International Maritime Exposition, will combine an extensive exhibition presence, a comprehensive conference program and a schedule of networking and promotional opportunities. It will be the 12th iteration of this internationally renowned event, and will be a critical link event for Defence, government and industry as Australia defines how it will invest \$90 billion on new ships, submarines and their systems and support.

**VARIOUS DATES****NSW DEFENCE INNOVATION NETWORK'S REGIONAL ROAD SHOW**

**DATE:** Various  
**LOCATION:** Various  
**WEBSITE:** [defenceinnovationnetwork.com/din-regional-road-show-2019-20](https://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.

**ICCPM ONLINE WORKSHOPS**

**DATE** Various  
**LOCATION** Online  
**WEBSITE** [iccpm.com/online-workshop-webinars](https://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.

## **ICCPM ROUNDTABLE WORKSHOPS**

**DATE** Various  
**LOCATION** Various  
**WEBSITE** [iccpm.com/2020-rs](https://iccpm.com/2020-rs)

ICCPM, with Series Partner QUTeX, is pleased to confirm the upcoming Workshops for the 2020 International Roundtable Series Harnessing Emergence in Complex Projects: Risk, Uncertainty and Opportunity. The International Roundtable Series is an exciting Thought Leadership initiative where senior practitioners and leading academics come together and discuss the Series Theme to produce new insights and practical steps to improve complex project success. Registrations for in-person workshops are strictly limited to comply with COVID-19 venue safety guidelines. Please refer to each event page for more details.