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ISSUE No. 51 - Monday 16 March 2009

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Australia's next-generation Air Force



Opening the 13th **Australian International Aerospace Congress** in Melbourne last week, Minister for Defence Science and Personnel, Warren Snowdon, said by 2020 Australia can expect to have a new frontline Air Force fleet designed to ensure the country's regional air

superiority for the future. Defence is due to introduce Super Hornet fighters, Wedgetail early warning aircraft, Tiger reconnaissance helicopters, multi-role helicopters and airborne refuellers, as well as investigating the replacement of the AP-3C Orion aircraft for maritime surveillance and patrol and participating in the Joint Strike Fighter program.

"The acquisition of new assets and renewal of current fleets represent multi-billion dollar investments in new aerospace capabilities," Snowdon said. "Australia must keep pace with technology developments which can affect our aerospace capabilities. Unmanned systems, hypersonics, computing power, communications and networking, sensors and data fusion, and new materials are all impacting on our capabilities."

The **Defence Science and Technology Organisation (DSTO)** was spearheading research into new and emerging technologies for future aerospace applications including hypersonics, upgrading the JORN radar network, and in the application of miniaturised, low cost unmanned aerial systems.

"We're also researching new space-based systems to support the activities of **Australian Defence Force (ADF)** ground forces," Snowdon said. "The government will continue to support such science and technology programs that underpin the ADF's capability edge now and in the future."

C-130J Through Life Support contract awarded

Australian Aerospace and sub-contractor **Lockheed Martin** have been awarded a \$292 million contract by the **Defence Materiel Organisation (DMO)** to provide Through Life Support services for the **Royal Australian Air Force (RAAF)** fleet of C-130J Hercules. ►►



“This contract will provide innovative solutions to C-130J maintenance and is designed to reduce the cost of ownership into the future,” DMO’s Head Aerospace Division, Air Vice-Marshal, Colin Thorne, said. “The DMO, Royal Australian Air Force, Australian Aerospace and Lockheed Martin will work closely in order to provide ongoing support to the C-130J aircraft fleet, thereby increasing availability to the Air Force.”

The five-year performance-based contract links annual contract extensions to contractor performance and cost reduction and can be extended on a year by year basis dependant on performance. Subject to contractor performance, support of the C-130J aircraft will continue under this contracting strategy until the fleet’s planned withdrawal date.

As part of the contract, Australian Aerospace and Lockheed Martin will deliver services including aircraft maintenance, engineering and supply chain management. C-130J engine support will continue to be provided by **Standard Aero** under an existing contract arrangement.

DSTO Advisory Board convenes

Fresh perspectives and new ideas have been brought to the **Defence Science and Technology Organisation (DSTO)** with the first meeting of the **DSTO Advisory Board** in Canberra last week. The DSTO Advisory Board was established by the Australian Government to assist the DSTO in maintaining and enhancing Australia’s Defence Force capability into the future.

Minister for Defence Science and Personnel Warren Snowdon said the Board will provide invaluable strategic thinking on defence research in accordance with the forthcoming White Paper.

“The Board will strengthen the quality and diversity of defence science and technology counsel offered to Government,” Snowdon said. “It will also provide the Chief Defence Scientist, Professor Bob Clark, and myself with strategic advice on the delivery of science and technology capability to Defence. It will also advise on the balance between short-term research to address immediate needs and long-range research to anticipate future requirements, and reinforce the governance of DSTO’s operations, introducing a greater degree of transparency.”

The DSTO Advisory Board will be chaired by Dr Allan Hawke, former Chancellor of the **Australian National University** and a former Secretary of the Department of Defence.

Board members – from the science, commercial, military and academic sectors – are Australia’s Chief Scientist, Professor Penny Sackett; Vice Chancellor and President of the **University of Queensland**, Professor Paul Greenfield; Chief Executive of the **Chifley Business School**, Mr Neil Edwards; Vice Chief of the **Australian Defence Force**, Lieutenant General David Hurley; and Defence Deputy Secretary Michael Pezzullo. The Board has been appointed for an initial period of two years.

F-35 engine maintenance and repair recommendations



The **GE Rolls-Royce** Fighter Engine Team has completed its recommendations to the Joint Strike Fighter Program Office and the Department of Defence for maintenance and repair of engines for future F-35 Lightning II aircraft at the **Australian International Air Show** in Avalon.

The Team is developing the F136 engine for the F-35 aircraft and had been requested by the JSF Program Office and the Department of Defence to provide details and recommendations on how the **Royal Australian Air Force** will maintain the engines on its future JSF aircraft. The JSF program will recommend that F-35 propulsion systems be maintained through a ‘Performance-Based Logistics (PBL)’ contracting process, in which ▶▶▶

military customers receive guarantees of in-service engines at an agreed-to level, as opposed to a traditional time and material contract.

“The F136 engine incorporates several key advantages for the military customer, including a significant temperature margin, expanding ‘hot and high’ capability, and offering affordable growth built into the design,” senior vice president of the GE Rolls-Royce Fighter Engine Team, Mark Rhodes, said. “Coupled with the successful history of aftermarket support demonstrated by GE and Rolls-Royce, these advantages make the F136 an outstanding choice for F-35 customers.”

Scrubbing up RAAF’s C-17 engines



Also at the **Australian International Air Show**, **Pratt & Whitney** announced they will provide EcoPower engine wash services for the **Royal Australian Air Force’s (RAAF)** C-17 fleet at Amberley Air Force Base. The wash services are provided as part of a C-17 engine overhaul and repair support contract from **Boeing**, and the agreement will cover 16 Pratt & Whitney F117 engines on four aircraft.

“We are proud to bring the EcoPower engine wash service to the Royal Australian Air Force to help them operate their C-17 aircraft in a more efficient and environmentally friendly manner,” Pratt & Whitney’s director, Line Maintenance Services, Joanne Hastings, said. “We look forward to offering EcoPower engine wash services for other RAAF aircraft in the near future.”

Doing business with Boeing

The **Defence Materiel Organisation (DMO)** has signed a revised Australian Industry Capability (AIC) Deed with **Boeing USA**. The original Deed identified opportunities for Australian Industry within Boeing’s global and tier supply chains. DMO’s Head of Industry Division, Kerry Clarke, said the original Deed, established and trialled with Boeing in October 2007, supported mainly small-to-medium enterprises in Australia that might otherwise find it difficult to approach such a large overseas company on their own.

“The revised AIC Deed does not change the present arrangements but establishes a head of agreement which enables other **Australian Defence Force (ADF)** projects with Boeing to extend and build on the AIC Office initiative,” Clarke said. “In addition, the AIC Deed provides selected training and mentoring to Australian companies to enable them to be more globally competitive.”

The AIC Office is located primarily in Seattle and identifies bid opportunities for Australian aerospace companies within Boeing’s major commercial and defence programs and with its key supplier partners.

“The Office has successfully facilitated a number of training activities for Australian companies, including titanium machining and management training and has led focussed site visits to Boeing companies in the US for a select group from Australian defence industries,” Clarke said. “A number of contracts for Australian industry have resulted as an outcome of these activities.”

Project Echidna rolls on

Delivery of an Electronic Warfare Self Protection (EWSP) capability for the Australian Army’s fleets of Blackhawk and Chinook aircraft has moved a step closer following a successful test of key components by **BAE Systems**. BAE has successfully carried out a flight test on its **Echidna EWSP system** using a specially configured electronics pod mounted on a Lear jet. ▶▶▶



The initial flight trial, conducted north of Adelaide, concentrated on the detection, identification and tracking of emitters, with the same configuration tested in BAE Systems laboratories prior to the flight. BAE Systems Australia Managing Director Jim McDowell said both the lab and flight trials provided valuable data towards helping to finalise system integration.

“The trials have also given us significant confidence in the maturity of the Echidna system as it entered the final stages of

acceptance testing,” McDowell said.

A second airborne trial is planned for May 2009 that will be to gather further in-flight information about system performance and enable fine tuning of the system.

“This trial will exercise the whole system, including in-flight training capability and full countermeasures functionality,” McDowell said. “It will use a final release of the EW Controller software and final configurations of EW sub-systems prior to entry to system acceptance testing.”

Echidna is designed to enhance the EWSP capabilities of selected ADF aircraft, thereby improving their survivability in combat.

SMEs win with CTD Extension Program

Four successfully demonstrated Defence technology projects will have their development fast-tracked through the **Defence Science & Technology Organisation’s (DSTO) Capability and Technology Demonstrator (CTD) Extension Program**. A total of \$13 million is being invested in the four projects, all of which have come from small and medium enterprises.

Under the Extension Program, selected technologies that meet the test with their initial trials are funded for further development depending on Defence priorities. The details of the selected projects are:

- **Avalon Systems Pty Ltd** demonstrated a missile detection system to provide ships with additional warning time and thus increase their chances of surviving an attack. The technology is now ready to be further developed for land and sea trials.
- **Sentient Pty Ltd** developed a high-definition, real-time vision system for unmanned aerial vehicles that track small moving targets on the ground. The extension program will allow this technology to be used for surveillance of the maritime environment, and will enhance the onboard autonomous systems of the air vehicle.
- **GKN Aerospace** demonstrated a system for reducing the infrared emissions from engines in **ADF** aircraft and helicopters. The extension project would enable full-scale development and testing of the prototype.
- **Deakin University** developed an intelligent robot that allows remote operators to ‘feel’ the physical environment where it is operating and thus render an explosive device safe without damage to people or property. The operational capabilities of the robotic system will be further refined under the extension program.

ASRAAM fires

Air Combat Group (ACG) of the **Royal Australian Air Force (RAAF)** has successfully carried out the first in-service ‘Lock After Launch’ firing of an advanced short-range air-to-air missile (ASRAAM) at a target located behind the wing-line of the ‘shooter’ aircraft. The firing was conducted from an F/A-18 fighter aircraft at low level and typical fighter speed at a target located behind the fighter at a ▶▶▶



ACG's F/A-18 fleet. It is a credit to the **RAAF-MBDA-DSTO** team who worked together to deliver this capability edge to the fleet."

range in excess of five kilometres, producing a direct hit on the target. The engagement simulated a 'chase down' situation by an enemy fighter and successfully demonstrated the potential for an all-round self protection capability with the ASRAAM. This capability is inherent on all platforms that provide pre-launch 'over the shoulder' designation information such as F/A-18, **Eurofighter** Typhoon and F-35 JSF.

Commenting on the firing, a representative from ACG said, "This demonstration of ASRAAM capability is a major step forward for the RAAF and greatly increases the lethality of

Intelligent design for smarter weapons



Studying how insects see and navigate has led to the development of Bioseeker – a smart weapon seeker and guidance technology – Minister for Defence Science and Personnel Warren Snowdon announced last week at the **Australian International Air Show** in Avalon.

The technology has been developed by the **Defence Science and Technology Organisation (DSTO)** with the support of several small to medium enterprises under the **Capability and Technology Demonstrator (CTD) Program**. It is planned to incorporate the final Bioseeker technology in a low cost, miniaturised and rugged add-on device that provides autonomous guidance to airborne systems, increasing their ability to acquire, track and strike moving targets.

"This novel research will lead to a new weapons systems capability which will allow our Defence Force to strike moving targets in the air and land environments," Snowdon said.

The Bioseeker technology has a range of possible defence applications including enhancing the capability of the rocket on the Aussie Tiger Helicopter, various air delivered weapons and shoulder launched or mortar based land weapons.

The Bioseeker technology will undergo final testing in the second half of 2009, using the Australian developed Cybird UAV as a platform. The test will involve guiding the UAV to strike a moving land target. Snowdon congratulated **Associated Electronic Services Pty Ltd**, **Cyber Technology WA Pty Ltd** and **Davtec IT Pty Ltd** for their development and engineering support on the Bioseeker project.

Movement at the station

Jimmy Wong has joined **Asia Pacific Aerospace** as Manager Sales and Marketing Asia. Wong, who was previously with **Rolls-Royce** and prior to that **Standard Aero** in Singapore, brings a wealth of knowledge about the region and the opportunities available.

Steve Mason, CEO Asia Pacific Aerospace, said, "We are delighted to have Jimmy join our first class team. His knowledge of the Rolls-Royce Model 250 Series engines and his understanding of the region afford us a great opportunity to expand our business.

"With our branch office in New Zealand in place this is the next step in further expanding our business."

INTERNATIONAL

East Timor gets new training facility



Minister for Defence Joel Fitzgibbon and East Timor's Prime Minister Xanana Gusmao have officially opened the \$6 million Specialist Training Wing at the **East Timor Defence Force** Metinaro Training Base in East Timor.

"The Specialist Training Wing will provide high quality specialist training for the East Timor Defence Force in areas such as communications, logistics, engineering and medical skills delivered by Australian Defence Cooperation Program personnel," Fitzgibbon said. "This was a key project under the auspices of our bilateral Defence Cooperation Program."

The Defence Cooperation Program with East Timor was established in 2001 and focuses on helping the East Timorese establish a professional, sustainable and affordable Defence Force. Key activities under the Program include training through embedded **Australian Defence Force (ADF)** advisers, education programs and large infrastructure projects.

Advanced Display System support for US Navy

Lockheed Martin has received a six-year contract from the **US Navy** to provide performance-based logistics support for the AN/UYQ-70 (Q-70) Advanced Display System. The contract provides Q-70 logistics and supply support at over US\$13 million a year for the first two years, with options for additional support over the next four years, bringing the total potential contract value to US\$72 million. The contract follows a recently awarded US\$525.6 million modification to the NAVSEA AN/UYQ-70(V) Advanced Display Systems production contract.

Q-70 systems are widely used in US Navy at sea, on land and in the air as well as in naval systems operated by Australia, Germany, Japan, Norway and Spain. The contract will be managed out of Lockheed Martin's business in Eagan, Minn., and products will be delivered from the company's Virginia Beach, Va., location. If option years are exercised, the contract will continue until 2014.

Super Hornet excels inIRST testing



The **Boeing F/A-18E/F** Super Hornet Infrared Search and Track (IRST) program has successfully completed a series of risk-reduction flight tests that demonstrated the compatibility and effectiveness of the IRST system on the Super Hornet strike fighter.

IRST is a passive, long-range sensor system that searches for and detects IR emissions within its field of view. It can track several targets simultaneously and provide an effective air-to-air targeting capability, even when facing advanced threats equipped with radar-jamming technology.

Boeing, **Lockheed Martin Missiles and Fire Control**, and **General Electric** developed a prototype IRST sensor that was installed in the front section of a modified 480-gallon fuel tank. The **US Navy** conducted six flight tests at Naval Air Station Patuxent River, Md., and four at Naval Air Weapons Station China Lake, California. Chris Wedewer, F/A-18E/F IRST program manager for Boeing, said the flight tests allow for low-risk entry into the development phase of the program.

"Boeing and Lockheed Martin successfully demonstrated transfer alignment, long-range target detection, and the ability to operate in a fuel tank," Wedewer said. "Boeing also demonstrated ▶▶▶"

integration of theIRST into the F/A-18E/F's multisource integration algorithms, allowing for the fusion ofIRST tracking data with data from other sensors."

IRST is part of the Navy's F/A-18E/F Block II Super Hornet Flight Plan, with the demonstration ensuring effective and efficient progress as the program moves into development and production.

Developing non-lethal weaponry

The US Defense Department's **Joint Non-Lethal Weapons Directorate (JNLWD)** has awarded **Raytheon's Integrated Defense Systems (IDS)** business a phase-two contract to develop a gallium nitride (GaN) solid-state source for use in non-lethal weapons. Raytheon's GaN technology enables revolutionary performance and functionality for a wide range of DoD systems to include radar, electronic warfare and communications.

"Our support of the JNLWD is for very high frequency, millimeter-wave GaN to provide the warfighter with a lower-cost, lighter-weight, non-lethal engagement alternative," Michael Del Checcolo, vice president of engineering for Raytheon IDS, said.

GD in Iraq



General Dynamics Land Systems has been awarded a US\$33 million contract to purchase long-lead materials for the production of 140 M1A1 Situational Awareness (SA) tanks for the Iraq program.

The SA enhancements to the M1A1 for Iraq include a second generation **FLIR** thermal site, Tank Urban Survivability (TUSK) enhancements and a driver's vision-enhancing thermal viewer. The tanks will also be equipped with the TIGER engine, the Pulse Jet System, and embedded diagnostics. The TIGER engine has a monitoring system that is able to identify and alert the crew if there are potential issues with the tank.

Meggitt get behind the MULE, again



Meggitt Fluid Controls has been contracted by **BAE Systems** for the System Development and Demonstration Phase of the **Lockheed Martin Multifunction Utility/Logistics and Equipment Vehicle (MULE)** program. Meggitt will design and provide prototypes of the MULE's high ratio traction hub gear box with fail-safe hydro-electric brake system, making this the first land-based application of its new modular control technology.

Part of the **US Army's Future Combat Systems (FCS)** program, the MULE is an unmanned ground vehicle being designed for the Infantry Brigade Combat Team in three versions:

- The Transport MULE carries equipment and supplies to support infantry troops over complex terrain;
- The Armed Robotic Vehicle-Assault (Light); and
- The ARV-A (L).

It provides heavy firepower and integrated surveillance and reconnaissance sensors; and the Countermine MULE detects, marks and neutralises buried mines. The MULE is powered by a diesel-electric propulsion system incorporating electric drive motors in each wheel hub.

Meggitt's defence systems division has previously won a contract for the MULE's integrated electronics cooling. Initial shipment of the gear box prototypes will commence later this year.

Combating biological warfare



EADS Defence & Security (EADS DS) have been notified by the **Delegation Generale pour l'Armement (DGA)** – the French defence procurement agency – of a contract for the production of the **Système d'Alerte Mobile Avancée – Advanced Mobile Alert System (SAMOA)** lot of the **DETECBIO V1** system. This €35 million contract aims at providing the **French Army** with systems for detecting and identifying biological warfare agents in the environment, thereby ensuring the protection of the deployed forces and critical sites.

The DETECBIO system consists of a network of environmental monitoring sensors, means of identifying biological agents, and an information and supervision system that can save lives and limit the reduction in operational capacity on the deployment site in the event of a biological attack.

For the SAMOA contract, EADS shall deliver three projectable systems, each comprising:

- 20 biological alert beacons that will monitor the environmental NRBC parameters;
- Four continuous sample collecting beacons that will sample the aerosols in order to characterise the biological situation;
- An automatic identification module, consisting of a mobile technical shelter; and
- An alert and supervision module, comprising a second mobile technical shelter.

Indonesia establishes school of defence



Indonesia has opened its first defence tertiary education facility, the **Indonesian Defence University (IDU)**, moving a step further in the transition of its military from political players to a professional armed force as Jakarta aims to play a greater global security role.

“The institution will transform military and defence education with the long-term aim of transforming and modernising the Indonesian armed forces’ culture,” Indonesian Defence Minister Juwono Sudarsono said at the opening, describing the, “urgent need in improving skills and capabilities in strategic defence”.

Indonesia’s military plays a key role in policing the Strait of Malacca, among the world’s busiest shipping lanes and used by vessels supplying about 80 per cent of the energy needs of Japan and China.

BAE on the buy

BAE Systems have entered into a definitive agreement to acquire **Advanced Ceramics Research, Inc.**, a Tucson, Arizona-based producer of small Unmanned Aircraft Systems (UAS) and advanced ceramic materials. The transaction is a stock purchase of a private company and will be completed following receipt of regulatory approvals. The acquisition supports BAE Systems’ UAS strategy, which will see the company bring together capabilities from across its home markets, while respecting relevant export control regulations and industrial policy issues.

“This acquisition will provide BAE Systems with an excellent set of mature, operational products within the small/mini and tactical UAS market,” president and CEO of BAE Systems, Walt Havenstein, said. “The addition of these smaller UAS platforms will complement the larger UAS being developed by BAE Systems in the United Kingdom.”

DEFENCE BUSINESS OPPORTUNITIES

NEW DEFENCE TENDERS

REF NO.	PRODUCTS/SERVICES	CLOSING DATE
2009-1023422	<p>PROVISION OF TECHNICAL ADVICE - GUN PROPELLANTS - <i>Request for Tender</i></p> <p>The contractor shall provide expert technical advice to DSTO staff utilising their own extensive experience, open literature information, results from experiments conducted by other staff and other documentation supplied by DSTO and DMO.</p> <p>The contractor will supply technical advice on assessment of gun propellants and their suitability for use in Australian ammunition.</p> <p>Closing Date: 4.30pm, Tuesday 7 April 2009 Enquiries: Jo-Anne Murphy, Defence Support - SA, Tel: (08) 8259 7533, Email: Joanne.Murphy@defence.gov.au Copies of RFT: www.tenders.gov.au</p>	7 APRIL
COLSPO/1507	<p>SUBMARINE ESCAPE AND RESCUE SUITE - HYPERBARIC UPGRADE - <i>Request for Tender</i></p> <p>A. Submarine Escape and Rescue Suite (SERS), Deck Decompression Chambers (DDC), Environmental Control System – The requirement is to have an environmental control system fitted to the DDC to control the temperature and humidity internal to the DDC's. The functional requirement is set by Submarine Underwater Medical Unit (SUMU) within the Det Norske Veritas rules.</p> <p>B. SERS, DDC, Medlock Safety Interlocks - A memorandum of class under DNV transferable diving systems certification. Interlocks are required in order to ensure that when medical supplies are entered into the DDC that operator error can not accidentally rapidly depressurise the chambers.</p> <p>C. SERS, Provision of Protective Covers for Acrylic Windows in DDC - A memorandum of class under Det Norske Veritas transferable diving systems certification to protect the windows from damage.</p> <p>D. SERS, Fire Suppression - A memorandum of class under Det Norske Veritas transferable diving systems certification. A-60 fire suppressant is required to protect the SERS equipment and containers from a possible fire in the ship's engine room below (SOLAS category A).</p> <p>E. SERS - Water Pumps in Transfer Under Pressure Unit - The requirement is to have an ability to pump sea water into the Transfer Under Pressure Unit and up into the Australian submarine rescue vehicle for refilling of ballast bags during transfer of personnel into Transfer Under Pressure Unit.</p> <p>F. SERS, DDC - Carbon Monoxide Monitor – The deck of the ship can at times be awash with diesel fumes and it is necessary to know the level of carbon monoxide being induced by the low pressure and high pressure air compressors which in turn provide air to the chambers.</p> <p>Note: Must be RAN approved Hyperbaric repairer at tender submission. Closing Date: 2.00 pm, Tuesday 7 April 2009 Enquiries & Copies of RFT: Wayne Gilligan, Naval Representative, Collins System Program Office, Tel: (08) 9553 3051, Email: Wayne.Gilligan1@defence.gov.au</p>	7 APRIL
AZ4479	<p>AUDIT OF THE OPERATION OF BASE ELECTRICAL SYSTEMS - <i>Request for Tender</i></p> <p>In each of the 5 Defence establishments the low and high voltage power generation and electrical reticulation systems are known collectively as the Base Electrical System (BES).</p> <p>This audit is required to confirm the way in which electrical systems are operated on Defence establishments. Defence engages a Comprehensive Maintenance Services (CMS) contractor to perform the role of the Electrical Operating Authority of the BES at each Base nominated in the relevant CMS contract. As such the CMS contractor must ensure:</p> <ul style="list-style-type: none"> the safety of personnel requiring access to all BES equipment; the continuity and quality of electrical supply to Defence Facilities on the Base; the electrical plant and equipment remain safely managed within operating limits; all local supply authority requirements are met; and all relevant local and national legislation and codes are correctly applied. <p>The purpose of this audit is to confirm that Defence's CMS contractors are operating the BES in accordance with the CMS contractual requirements.</p> <p>The audit will be conducted across Defence Support (DS) establishments in DS Central and West, and DS Victoria and Tasmania.</p> <p>Closing Date: 12.00pm, Wednesday 8 April 2009 Enquiries: Technical Adviser - Land, Directorate of Estate Services & Technical Regulation, Tel: (02) 6266 8027, Email: Mark.Vanzomeren@defence.gov.au Copies of RFT: www.tenders.gov.au</p>	8 APRIL

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 This information is subject to change and should be verified on the AusTender Website.

REF NO.	PRODUCTS/SERVICES	CLOSING DATE
220126816	<p>CONSTRUCTION OF DWELLINGS FOR TRAINING PURPOSES - <i>Registration of Interest</i> Defence is seeking expressions of interest through an Invitation to Register Interest (ITR) from suitably experienced and capable providers to construct one to three Afghan style dwellings to be used for training purposes at the Defence Training Area at Bindoon in Western Australia. The acquisition strategy for this project is a two phase process represented by this ITR as the first phase, and a second phase where shortlisted companies from the ITR will be invited to submit a Request for Tender response. Note: An Industry Briefing for potential respondents to this ITR will be held on Tuesday 24 March 2009 at 1000 hours (WST) at Campbell Barracks, Alfred Road West, Swanbourne, Perth. Further details are provided in Part 1 of the ITR documents. Defence is planning for construction of the training dwellings at Bindoon to commence in June 2009. Closing Date: 4.00 pm, Thursday 9 April 2009 Enquiries: Major Bruce Hughes, Tel: (08) 9311 2683, Email: Bruce.Hughes@defence.gov.au Copies of ITR: www.tenders.gov.au</p>	9 APRIL
N08 - 10523/1	<p>ALCOHOL AND DRUG PROGRAM ADVISERS TRAINING - <i>Request for Tender</i> The Royal Australian Navy (RAN) requires the provision of a certificate IV in alcohol and other drugs work training for RAN personnel from a registered training organisation. The Royal Australian Navy (RAN) recognises that the consumption of alcohol is a legal and socially acceptable custom in Australia. When controlled and used in moderation it normally presents no problems to individuals, society or the RAN. The misuse of alcohol, however, can have serious professional, safety, health, fitness and social implications. RAN policy is therefore to encourage members to maintain a responsible attitude to the consumption of alcohol and prevent alcohol misuse. The RAN recognizes that alcohol dependency is treatable. Accordingly, treatment and rehabilitation is provided from Service sources or appropriate civilian agencies. To provide assistance with the management of, and education on alcohol and drug abuse the RAN has established the RAN Alcohol and Other Drug Program (RAN AODP). The RAN has had an Alcohol and Other Drug (AOD) program in place since 1984. To ensure compliance with expected community standards the training of the Alcohol and Drug Program Advisers (ADPA) adheres to best practice to comply with best practice. The RAN will require the support of a Registered Training Organization to continue to provide training delivery and support services for a period of three years with an option to extend this arrangement for two 12 month periods. These services must be of a high standard and achieve the most cost-effective means of providing Defence personnel with the qualifications and competencies required to meet the operational needs of the ADF. The Contractor shall: a. Be a registered Training Organization (RTO); b. Provide Certificate IV Alcohol and Other Drug Work training for RAN personnel and on completion of the training course all participants are to be eligible to receive a Certificate IV in Alcohol and Other Drugs Work; c. be able to accommodate unique Navy training modules in their accredited training. This will include specific modules provided by Defence and covering: i. RAN Alcohol and Other Drug Program and structure overview; ii. ADPA functions and limitations; iii. ADPA Confidentiality requirements and ADPA documentation; iv. ADPA interviews, environmental constraints with a RAN setting; and v. Administering basic intervention through an education program. The provider must have the ability to recognize the existing skills, knowledge and expertise of participants undertaking the training. The majority of personnel will be of Leading Seaman rank and above. Training is to be nationally accredited and comply with the requirements for a Certificate IV in Alcohol and Other Drugs Work. The provider must have the ability to deliver training to meet the needs of the Navy. a. Training is to be delivered by the Contractor at various Navy bases throughout Australia at times specified by Navy (locations will include Sydney, Melbourne, Canberra, Perth, Cairns and Darwin.); b. There is to be a minimum of four courses conducted per annum with the option to conduct additional training as required; c. The maximum number of participants is 20 and the minimum number is six per course; d. The training is to be completed in a two week block; e. The contractor's staff must possess the required security clearances for the area where training is conducted. The Contractor shall adhere to established RAN training delivery hours and routines. Normally contractor working hours at all training unit locations shall be such that instructors are available for face-to-face instruction for the duration of the course. Normally each instructor shall be available to provide instruction, remedial and tutorial training services within the constraints of RAN daily and weekly training routines. The RAN will be prepared to consider alternative configurations. The Contractor shall support the RAN efforts in the inculcation of military ethos and values wherever possible. The contractor will comply with all requirements of Australian Quality Training Framework (ATQF). Closing Date: 12.00 pm, Thursday 9 April, 2009 Enquiries & Copies of RFT: DNAODS, Tel: (02) 6265 3600</p>	9 APRIL

Information on this page is sourced from: www.tenders.gov.au
 This information is subject to change and should be verified on the AusTender Website.

REF NO	PRODUCT	QTY	CLOSING DATE
CMC09/026	REPLACEMENT OF OVENS - Request for Tender - Spotless P&F Pty Ltd Tenders are invited for the replacement of existing ovens in OR's Mess and Officer's Mess at RAAF Base Williamtown, NSW Closing Date: 12.00 pm, Thursday 16 April 2009 Enquiries & Copies of RFT: Pauline Avery, Call Centre Manager CMC CNNSW, Tel: (02) 4964 7351, Email: Pauline.avery@defence.gov.au		16 APRIL

RFO'S			
REF NO	PRODUCT	QTY	CLOSING DATE
J9793	8430-01-532-9769 Boots, Combat, 16 sizes, 7 -14, black, assault, nonslip, lacing, rubber synthetic sole & leather upper Enquiries: Tracey Duggan, Tel: (03) 9282 4314	894 pr	9 April
J9409	8455-66-131-9242 19 items of Insignia, RAAF, various types Enquiries: Leanne Fenby, Tel: (03) 9282 5475	65,900 ea	15 April
8221A	8465-66-144-3560 Field pack, Manpack, radio, DP Enquiries: Kate Foley, Tel: (03) 9282 7122	500 ea	16 April
8220A	8415-66-144-3780 Liner assy, helmet, large, grey Enquiries: Kate Foley, Tel: (03) 9282 7122	250 ay	17 April

Information (above) on this page is sourced from: www.tenders.gov.au This information is subject to change and should be verified on the AusTender Website.

NEW ZEALAND TENDERS		
REF NO.	PRODUCTS/SERVICES	CLOSING DATE
SA 2311	HIRE AN AIRCRAFT AND PILOT/S FOR PARACHUTE TRAINING - Registration of Interest - Royal New Zealand Air Force The RNZAF is seeking Registrations of Interest from interested parties who have available for hire a civil drop rated aircraft complete with pilot/s to support parachute training for the RNZAF. Closing Date: 3.00 pm, Thursday 2 April 2009 Enquiries: SGT Lea Hodges, RNZAF Contract Authority, Aeronautical Procurement Unit, PO Box 84276, Westgate, Auckland NZ. Tel: +64 9 417 7000 ext. 7665, Fax: +64 9 417 7870, Email: leanne.hodges@nzdf.mil.nz	2 APRIL
MSW 10011-33-339	AIRCRAFT ENGINE LIFTER - Registration of Interest - Royal New Zealand Air Force The Royal New Zealand Air Force is seeking a self propelled, diesel powered capability to lift aircraft engines from ground level to a height of at least 7 metres (to the hook), for the purpose of installing and removing aircraft engines. Closing Date: 3.00 pm, Thursday 2 April 2009 Enquiries: Alex Adams, PO Box 84276, Westgate, Auckland NZ. Tel: +64 9 417 7000 ext. 7147, Fax: +64 9 417 7870, Email: air.procurement@nzdf.mil.nz	2 APRIL
E2310	SUPPLY OF RADAR FUNCTIONAL TRAINER - Request for Proposal - New Zealand Defence Force The NZDF has a requirement for the following: (a) A radar trainer that emulates the main characteristics of the ELTA EL/M 2022A(V)3 radar but operates using a generic Human Machine Interface (HMI); and / or. (b) A radar trainer that emulates the main characteristics of the ELTA EL/M 2022A(V)3 radar, which is controlled by a replication of the P-3K2 Orion HMI. The RNZAF welcomes proposals for either (a), option (b) or for both radar training solutions. Closing Date: 3.00 pm, Monday, 11 May 2009 Technical Enquiries: Flight Sergeant T Sutton, RFT Project Manager, Capability Directorate, Air Staff, HQ New Zealand Defence Force, Private Bag, Wellington NZ. Tel: +64 4 460 8355, Email: trevor.sutton@nzdf.mil.nz General Enquiries: Francis Berry, Staff Officer Contracts and Tenders, Tel: +64 4 496 0543, Fax: +64 4 496 0819, Email: francis.berry@nzdf.mil.nz .	11 MAY

FORTHCOMING EVENTS

Defence Awareness Briefing – Lithgow

DATE: March 23-24, Lithgow and District Workman’s Club, Lithgow

ENQUIRIES: Email: james.higgins1@defence.gov.au; Tel: (02) 9377 2358

The Defence Materiel Organisation and the NSW Department of State and Regional Development invite you to attend a briefing by the DMO’s Business Access Office about how to do business with Defence. This is a preliminary briefing aimed at business operators who want to find out about the business opportunities available from the Defence sector. Learn where Defence and the DMO sit within the Federal Government, the basics of Government Procurement, the best ways to engage with Defence and how to prepare your company to take advantage of potential business opportunities. Representatives from the DMO will be available for private appointments the following day to discuss in more detail any opportunities identified for your business. Register by March 18.

Defence Awareness Briefing – Bathurst

DATE: March 25-26, Bathurst Panthers Panorama Room, Bathurst

ENQUIRIES: Email: james.higgins1@defence.gov.au; Tel: (02) 9377 2358

The Defence Materiel Organisation and the NSW Department of State and Regional Development invite you to attend a briefing by the DMO’s Business Access Office about how to do business with Defence. This is a preliminary briefing aimed at business operators who want to find out about the business opportunities available from the Defence sector. Learn where Defence and the DMO sit within the Federal Government, the basics of Government Procurement, the best ways to engage with Defence and how to prepare your company to take advantage of potential business opportunities. Representatives from the DMO will be available for private appointments the following day to discuss in more detail any opportunities identified for your business. Register by March 18.

The Kokoda Foundation’s Young Strategic Leaders Forum – National Security Careers Night

DATE: March 26, Adams Hall, Australian Defence Force Academy, Duntroon, ACT

ENQUIRIES: Email: manager@kokodafoundation.org; Tel: (02) 6204 1822

The Kokoda Foundation invites you to attend an exclusive careers night for university graduates and young professionals who work in the national security community or aspire to do so. ▶▶▶

The careers night will provide young leaders with valuable insight into the national security community, featuring presentations on the roles, activities and professional development opportunities in major government organisations. RSVP is essential and must be done by Friday March 20.

Tender Training and Development Workshop

DATE: April 1, NSW Trade and Investment Centre, Newcastle

ENQUIRIES: paul.fisher@australianbusiness.com.au; Tel: (02) 6239 1488.

The Australian Business Defence Industry Unit and Lange Consulting and Software, in conjunction with the NSW Department of State and Regional Development (DSRD), will be conducting a one-day tender training workshop aimed at improving tendering by individuals/companies to the Department of Defence.

The workshop will be of particular value to SME’s in winning Defence contracts, ensuring you walk out with a bid management process and some practical tips on tender preparation. A workshop booklet, which complements the workshop session, is included and designed to complement the workshop.

In addition, on completion attendees will receive a softcopy of the presentation material/presentation notes and a quarterly update newsletter.

The workshop will be presented by Anthony Rowley, Senior Consultant, Lange Consulting and Software, and the DSRD will provide a subsidy of \$375 inc. GST to participants in the workshop. Numbers are strictly limited.

5th Conference On Business Opportunities In The Islands

DATE: 6-8 April 2009
Sheraton Waikiki, Honolulu, Hawaii

ENQUIRIES: Information regarding prior conferences at: www.islandbusinessopportunities.com

The US Department of the Interior’s Office of Insular Affairs is organising its Fifth Conference on Business Opportunities in the Islands. The conference will concentrate on increasing awareness in Asia and around the Pacific Rim of business opportunities in the US Territories and Freely Associated States. Islands represented at the conference include American Samoa, the Commonwealth of the Northern Mariana Islands, the Federated States of Micronesia, Guam, the Republic of the Marshall Islands, the Republic of Palau, and the US Virgin Islands.

SimTecT 2009 Simulation Conference

DATE: 15-18 June 2009,
Adelaide Convention Centre

ENQUIRIES: Barry Neame
Consec Conference Management.
Tel: +61 2 6251 0675
Email: simtect2009@consec.com.au
or visit:
<http://www.siaa.asn.au/simtect/2009/2009.htm>

The SIAA is once again proud to host SimTecT, Australasia's premier simulation and training technologies conference and exhibition. SimTecT 2009 brings together the region's leading simulation practitioners, users and policy makers. The SimTecT 2009 Conference and Exhibition builds on the success of the previous 13 SimTecTs to provide an opportunity for the simulation community to discover the latest research and product advances, and to discuss applications with developers and users.

D+I 2009: Defence and Industry Conference and Trade Exhibition 2009

DATE: 30 June-2 July 2009
Adelaide Convention Centre, Adelaide

ENQUIRIES: Cheryl Miller,
Defence Materiel Organisation,
Tel: +61 2 6265 6124
Email: cheryl.miller@defence.gov.au
or visit:
<http://www.defenceandindustry.com.au/>

D+I is the largest defence and industry event of the year – **not to be missed!**

2009 Wide Bay Australia International Air Show (WBAIAS)

DATE: 3-5 July 2009
Bundaberg Airport, Bundaberg

ENQUIRIES: Tel: +61 7 4155 0044
Email karren@widebayairshow.com.au
or visit www.widebayairshow.com.au

This is the largest airshow held in Queensland, and the second largest in Australia. The first day of the three-day event will be devoted to trade, with aviation, defence and related displays. If your business is involved in or associated with the aviation industry, the Wide Bay Australia International Airshow is a prime opportunity to showcase your products or services. Exhibitor enquiries welcomed.

King-Hall Naval History Conference 2009

DATE: 30-31 July 2009, Adams Hall, Australian Defence Force Academy, Canberra

ENQUIRIES: Further information:
www.navy.gov.au/spc;
email:
seapower.conferences@defence.gov.au

A significant event in the national and international sea power communities, the sixth biennial King-Hall Conference will be organised by the Sea Power Centre - Australia with assistance from the School of Humanities and Social Sciences, University of New South Wales at the Australian Defence Force Academy. The theme of the 2009 conference is Commonwealth Navies: 100 Years of Cooperation. In 1909, Australia, with the encouragement of the British Admiralty, decided to acquire a modern ocean-going fleet; one which would not only protect local ports and shipping from enemy incursions but also support the Royal Navy in its determination to retain command of the sea. Other members of the Empire followed, and over the next 100 years the various Commonwealth navies have routinely sailed together in both peace and war and with a remarkable degree of interoperability.

MilCIS 2009 NSW – The Way Ahead

DATE: 10-12 November 2009,
National Convention Centre, Canberra

ENQUIRIES: Further information: www.milcis.com.au

Planning is now underway for MilCIS 2009, following the success of MilCIS 2008, where over 600 people attended the conference and exhibition. MilCIS is an annual conference aimed at attendees from military and government organisations, academia, and defence industry, who contribute to key decisions in investments in communications and information systems. In addition to keynote presentations, technical presentations, panel discussions and tutorials, MilCIS features an exposition that provides an opportunity for exhibitors to demonstrate new technologies and promote their products and services to attendees. MilCIS is the only Australian conference focussing directly on the crucial technologies, products, systems and services associated with military communications and information systems.