



DEFENCE WEEK

PREMIUM EDITION NEWS | INTELLIGENCE | BUSINESS OPPORTUNITIES | EVENTS

IN THIS ISSUE

NATIONAL NEWS

PM announces new Cyber Security Centre	1
Draft RFT for pilot training system released	2
More ring mount orders for W&E Platt	3
AUS-UK defence cooperation treaty signed	3
Defence Bank launches Australian first bank video call centre	4
Garden Island crane to go	5
Aussie MAJGEN in US Army Pacific ...	5
ADM Online: Weekly Summary	6

INTERNATIONAL NEWS

Shadow engine replacements	6
ITT Exelis receives US\$25 million communications equipment order ...	6
Five to compete for supply of small UAVs	7
Changes to US GCV program	7
Small bomb with big impact on JSF ...	8
Airbus Military delivers first two C295 to Kazakhstan	8
Boeing's locator radio win.....	9
Composites for UK hyperbaric chamber?..	9
Rolls-Royce wins engine support contract in Saudi Arabia.	10
UK's stealth drone to fly this year	10
US Special Ops want small highly mobile vehicle	11

FORTHCOMING EVENTS

DEFENCE BUSINESS OPPORTUNITIES... See separate PDF

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PM announces new Cyber Security Centre

Katherine Ziesing | Canberra

Prime Minister Julia Gillard has outlined an updated security statement, Strong and Secure: A Strategy for Australia's National Security in a speech yesterday, January 23.

In a wide ranging speech that looked at how the security landscape has changed over the last decade and what Australia can expect over the coping years, the Prime Minister spoke of the three imperatives that will shape the coming decade.

"First, our principal national security focus will be on our own region, as the global economic and strategic centre-of-gravity continues to move east, bringing great opportunities but also risks and challenges that must be managed," Gillard said.

"Second, it will be an era in which the behaviour of states, not non-state actors, will be the most important driver and shaper of Australia's national security thinking.

"Third, it will be an era in which diplomacy will be critical as we and our friends and partners in the region strive to master the complexities and new dynamics of a multipolar world."

And while costs were not made explicit, "we will also develop a National Security Capability Plan to complement the Defence Capability Plan" she announced plans for a new Cyber Security Centre, fine details of which will be announced today. The move comes in tandem with the decision to establish "the Office of the Cyber Policy Coordinator within my Department to provide leadership and coordination on this important issue".

And on the issue of Defence itself, there was some heartening implication that perhaps some funding relief might be one the way.

"Importantly, Australia will continue to maintain one of the strongest military capabilities in our region," Gillard said.

"Let this be clear: in a time of fiscal constraint, we will keep the Australian Defence Force strong. Our level of defence expenditure will ensure that Australia remains one of the top 15 nations for absolute defence spending, and second only to the US on a per capita basis.

"Our ADF will have the best people with the right equipment for the challenges of the Asian Century. As we transition from East Timor, Solomon Islands and Afghanistan, our Defence Force will fix its sights on extending and deepening relationships across the region.

"A strong nation will possess a credible defence force. A wise nation will work hard never to require its use," she said. ▶▶▶

Draft RFT for pilot training system released



With the anticipated release of the RFT proper in the third quarter of this year, Defence has sought comments from industry on the draft RFT for Air 5428 Phase 1, the acquisition and support of a pilot training system (PTS) which will include new basic and advanced training systems to increase the efficiency and effectiveness of ADF's fixed wing pilot training.

Among other issues the PTS will allow an increase in graduation numbers, generate pilot skills suitable for advanced "4th and 5th generation" fighter aircraft, and allow the withdrawal of current training media and the integration of synthetic training systems.

All pilot training will be conducted within Australia with the ADF retaining the military elements of the existing PTS, including military flying schools and employing military Qualified Flying Instructors for student instruction. One of the reasons for consulting industry is to expose differences between the Project and Interim Basic Flying Training conducted at Tamworth using the CT-4B air trainer aircraft particularly in relation to aircraft performance, life of type and basing requirements.

In regard to competition Defence says it considers that a competitive procurement process is an essential element to achieving value for money in both the acquisition and through life support of the training system. To this end potential providers of aircraft for the PTS are being asked to refrain from entering into any exclusive teaming arrangements for the supply of aircraft before the requirements have been finalised as reflected in the final Request for Tender. Thus, potential tenderers would have the opportunity, from the draft RFT, to develop their solution and approach aircraft suppliers and propose arrangements. This is seen as benefiting both Defence and aircraft suppliers.

According to the draft RFT the contractor will need to supply: aircraft for pilot training plus those for 4 SQN and ARDU (if required); training simulators; the learning environment, training packages and so on. Also required are training services and PTS support services.

ADM Congress 2013

Date: 12-13 February 2013, Hyatt Hotel Canberra
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More ring mount orders for W&E Platt

Local Australian SME W&E Platt has been awarded a contract to supply a large quantity of manually operated ring mounts to the armed forces of the United Arab Emirates (UAE).

The contract, with the **International Golden Group (IGG)**, covers delivery of the ring mounts plus operator and maintainer training, a spares package and technical documentation. The mounts will equip the UAE's new Agrab Mk 2 120mm Mobile Mortar System.

The IGG order also marks the first Middle East export success for a Platt protected ring mount, and immediately follows a mid-2012 order from Finland for an additional 39 MR550 Bi-Metal Ring Mounts to equip their RG32M mine-hardened vehicles.

The ring mounts selected for the UAE are based on Platt's highly successful and

combat-proven MR550 Bi-Metal Ring Mount series, which feature a dual layer of armour protection for the gunner in a lightweight and cost-effective package.

MR550 ring mount protection levels can be upgraded to STANAG Level 3. Armament options include either a heavy machine gun, 40mm automatic grenade launcher or a 7.62mm/5.56mm calibre machine gun.

Deliveries of the first ring mounts will commence in early 2013.

The company reached a major milestone with delivery of its 800th **MR660 Mod 1 Ring Mount** for the Australian Defence Force mid last year.



L-R United Kingdom Secretary of State for Defence, The Right Honourable Philip Hammond and Minister for Defence, Stephen Smith exchange documents at the signing of the Treaty for Defence and Security Cooperation. [Photo:Defence]

AUS-UK defence cooperation treaty signed

Last week's Australia-Britain Ministerial talks were prefaced by the signing of a Defence and Security Cooperation Treaty by British Defence Secretary **Phil Hammond** and Australia's Defence Minister **Stephen Smith**.

Reportedly negotiated over 18 months, Hammond indicated that the new treaty could enable Australia



and Britain to work more closely together on global strategic challenges and provide opportunities for greater military interoperability.

“This treaty embodies a defence cooperation which is longstanding and deep and multifaceted. It will reinforce that collaboration and set a framework for future cooperation between our two countries. It also, from our side, is a clear expression of the UK’s interests in the Asia Pacific and Indian Ocean region and a recognition of Australia’s position as a key regional partner for the UK in this area and underscoring again the importance that the UK places on the longstanding defence relationship that we have with Australia,” he said.

Hammond noted that his discussions with Smith had highlighted the similarity of both countries’ requirements and said they had agreed to conduct a review of the scope, opportunities for cooperation and potential collaboration, both in the building of frigates and in the sustainment, potentially life extension, and ultimately building of submarines. He has previously indicated Britain would be keen to sell its **Type-26 Global Combat ship** to Australia as replacements for the RAN’s six Anzac class frigates.

ADM Comment: The British have been pushing the cooperative line on building ships with the Australians for quite some time now. *ADM* remembers hearing about the idea from senior Royal Navy people at Pacific2008.

...while in Indonesia

The UK reaffirmed on January 16, 2013 a commitment to expand defence collaboration in a range of activities, including Jakarta’s potential purchase of three BAE Systems offshore patrol vessels (OPVs). During meetings in Jakarta between Indonesian Defence Minister **Purnomo Yusgiantoro** and UK Defence Secretary **Philip Hammond**, the two parties focused on progressing the defence memorandum of understanding (MoU) that they signed during President **Susilo Bambang Yudhoyono’s** state visit to London in November 2012, according to an Indonesian Ministry of Defence (MoD) statement.



Defence Bank CEO Jon Linehan in the bank’s call centre in the Melbourne head office

Defence Bank launches Australian first bank video call centre

As one of Australia’s new mutual banks, Defence Bank, is establishing Australia’s first video call centre at its Melbourne head office.

This new service will allow Defence Bank’s customers to talk face-to-face with a banking consultant from their home at a time convenient to them.

“This is a significant innovation by the Bank that will have enormous benefits for Defence Force personnel, many of whom find it difficult getting to a branch to conduct their business,” Defence Bank chief executive officer **Jon Linehan** said.

“We know that when people are conducting a major financial transaction, such as



applying for a home loan or organising their superannuation, they prefer being able to do it in person. This technology innovation by Defence Bank allows this to happen.”

The new service, which has been two years in the pipeline, is one of a number of services Defence Bank has introduced since becoming a mutual bank under the Federal Government’s Competitive and Sustainable Banking system reforms that were introduced in 2010.



Garden Island crane to go

Defence will conduct a period of public consultation for the proposed removal of the Hammerhead Crane located at Fleet Base East, Garden Island in Sydney, from Monday January 21 to Monday February 18, 2013.

The proposal to remove the crane is being assessed under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act).

While not heritage listed, the crane is known to have Commonwealth Heritage values and is located outside the Commonwealth Heritage Listed Garden Island precinct. The crane has not been used since 1996 and presents a range of ongoing costs, risks to workplace health and safety for Defence personnel and contractors, and limitations on ship berthing options.

Workplace health and safety hazards associated with the deterioration of the crane have required the permanent placement of scaffolding to capture any objects that fall from it. Maintenance of the Hammerhead Crane costs Defence some \$770,000 a year.

The **2009 Defence White Paper** established the importance of enhanced amphibious capabilities, delivered by acquiring two new **Landing Helicopter Dock (LHD)** ships, the first in late 2013. The presence of the crane located on the wharf where the LHDs will be berthed will restrict the Royal Australian Navy’s berthing capacity and flexibility at Fleet Base East.

ADM Comment: ADM understands that parts of the crane have been known to fall off on occasion. Surely the removal of the eyesore and danger would be a good thing for passers by if nothing else.



Aussie MAJGEN in US Army Pacific

A ‘flying V’ ceremony was held in honour of Australian Major General Richard Burr, who is serving a two-year appointment as Deputy Commanding General – Operations, US Army Pacific (USARPAC).

During his tenure, which began in November 2012, Major General Burr will be responsible for directing the development of annual training and exercise plans



and will also serve as the USARPAC liaison with countries within the Pacific region.

Prior to his appointment as Deputy Commanding General – Operations, USARPAC, Major General Burr held a number of senior roles, most recently as the Commander of the Australian Army's 1st Division and Australia's Deployable Joint Force Headquarters.

ADM Online: Weekly News Summary

A summary of the latest news and views in the defence industry, locally and overseas. Check out our webpage for daily news updates on the *ADM* home page and make sure you bookmark/RSS this for a regular visit.

This week, the sonar block for the first of Australia's three [Air Warfare Destroyers](#) have been received from Spanish shipbuilder and AWD platform designer Navantia.

ADM released its annual Top 40 Defence Contractors and Top 20 SME survey for 2012. Click [here](#) to link to the full magazine.

Australian Helicopters Pty Ltd (AHPL) and the Royal Flying Doctor Service (Queensland Section) (RFDS) have joined forces to provide [emergency medical evacuation](#) during Australian Army training exercises in remote areas.

Also, [Rheinmetall](#) and the Dutch armed forces have agreed to extend an existing agreement for the supply of various ammunition types in close cooperation between Rheinmetall and the Netherlands.

International

Shadow engine replacements

The US Army has selected five companies' engines to evaluate as possible replacements for the Shadow unmanned aircraft system's current engine, with two vendors slated to be picked for technology development later this year, a service spokesman said last week. The Shadow uses a 40-horsepower rotary (Wankel) engine that works with the constraints of high performance, high stress and weight issues. Presumably the Australian Defence Force, which has acquired 18 Shadow UAS, will be looking carefully at any engine upgrades.



ITT Exelis receives US\$25 million communications equipment order

ITT Exelis has received a \$US25 million order to provide a wide range of communications equipment to an international customer.

This **Foreign Military Sales** (FMS) program



contract was awarded by the US **Communications-Electronics Command** (CECOM).

The award includes the delivery of Exelis International **Single Channel Ground and Airborne Radio System** (SINCGARS) VHF Base Stations and Vehicular Systems in single and dual radio configurations.

It also includes Spearhead VHF Handheld Radios, unit and intermediate level spares, installation services and field service representative support.

The award is part of an FMS indefinite delivery, indefinite quantity (IDIQ) contract awarded to Exelis by CECOM in 2008. To date, Exelis has received approximately \$US451 million in orders under the IDIQ contract.

Five to compete for supply of small UAVs

The US Army has awarded five companies contracts that give them the opportunity to compete to sell small unmanned aircraft systems to the service on a quarterly basis, according to the Army's product manager for small UAS. Under the firm fixed-price indefinite contract worth some \$US280 million, Aerovironment, Altavian, Elbit Systems of America, Innovative Automation Technologies and Lockheed Martin will be able to submit proposals in response to individual delivery orders on a quarterly schedule.

The proposals will be evaluated for best value and so the companies that provide the best value during those quarterly delivery orders will then receive the commensurate funding on a firm fixed price basis. The contract is for buying systems, spares and repair items with the work performed at the facility of the contractor that won the bid—*InsideDefense*



Changes to US GCV program

US Defence leaders have significantly altered the course and cost of the US Army's Ground Combat Vehicle program, deciding this week to down-select to only one contractor in the second phase of the program, extend the current development phase by six months, and delay a production decision until fiscal

year 2019, according to internal memos obtained by *InsideDefense.com*.

"The combination of fiscal pressures and the need for additional development time led to this restructured program," states a January 16 acquisition decision memorandum signed by Frank Kendall, the Defense Department's top acquisition official. All of the changes are expected to save the Pentagon more than \$4 billion over the next five-year budget-planning cycle.



Small bomb with big impact on JSF

The US Air Force and Raytheon have successfully completed a fit check of the GBU-53/B Small Diameter Bomb II on the F-35 Joint Strike Fighter aircraft. During the test, four SDB II shapes were loaded into an F-35 weapon bay alongside an Advanced Medium Range Air-to-Air Missile. Sweeps of the inboard and outboard bay doors verified there was adequate clearance between the two weapons.

SDB II is designed to be carried by a host of 4th- and 5th-generation aircraft, including the US Air Force F-15E; the US Marine Corps variant of the JSF, F-35B; and the US Navy F-35C. The GBU-53/B is also compatible with the Air Force F-35A, F/A-22 and F-16C/D, as well as the Navy F/A-18E/F.

SDB II can hit targets from a range of greater than 40 nautical miles. It has a powerful warhead capable of destroying armoured targets, yet keeps collateral damage to a minimum through a small explosive footprint. It is highly accurate and offers warfighters the flexibility to change targets, due to a datalink that passes mid-flight updates to the weapon.

Airbus Military delivers first two C295 to Kazakhstan



Kazakhstan has taken delivery of the first two C295 transport aircraft that it ordered last year, marking Airbus Military's entry into the CIS regional market.

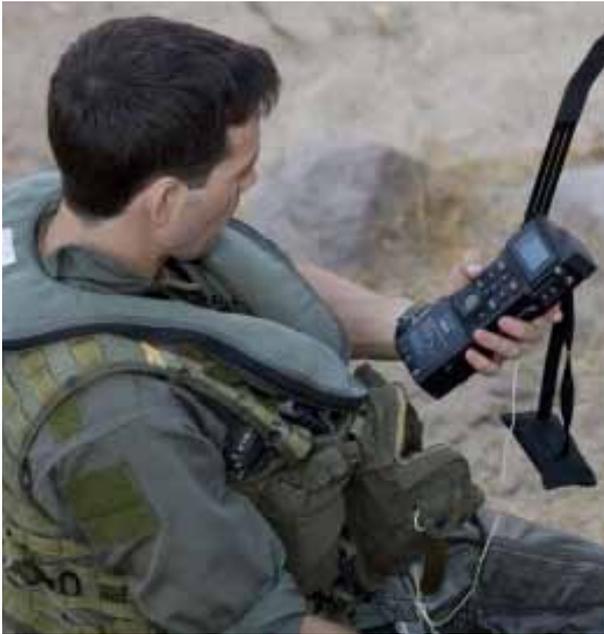
The aircraft, the first two on firm contract and a further six on options to be progressively confirmed in the coming years, were formally handed over in Seville before the ferry flights, via Astana, to Almaty, where they will be based.

Both aircraft will be used in support of transport missions throughout the nation's vast territory. The purchase contract additionally covers the related service support package for spare parts and ground support equipment.

The company has also received an order for six additional C295 transport aircraft from the **Egyptian Air Force**, bringing the Egyptian Air Force's C295 fleet to a total of 12 aircraft.

This third batch of aircraft plus the associated spares and support equipment, training and field support are to be delivered from the end of 2013 onwards.





Boeing's locator radio win

Boeing has been awarded contracts worth US\$13.6 million to upgrade the USAF's Combat Survivor Evader Locator (CSEL) radio and the CSEL ultrahigh frequency (UHF) base stations that support it. The purpose of the contract is to bring the personal survival radio and the CSEL network in line with the latest Information Assurance standards to protect them against jamming and other interference by hostile forces.

The US military's 54,400 CSEL radios are used to locate and communicate with downed pilots and other isolated personnel in need of rescue in hostile territory. Survival radios have been standard equipment for air force pilots since World War II, but over the years they've left a lot to be desired. The radios traditionally had only a limited range or were difficult to use. They were also easy for the enemy to eavesdrop on, triangulate or jam. Worse, unless the downed pilot already had a fix on his position, it was extremely difficult for rescuers to find and extract him.

Developed in the 1990s, the CSEL combines a secure communications system with GPS capabilities. The CSEL uses a variety of communications channels, including line-of-sight or over-the-horizon radio, and multi-satellite data links. When the 38 ounce (1.07 kg) radio is activated, it automatically takes a GPS fix and transmits its location over an encrypted channel by the CSEL network back to the rescue centre. With this communications link, the pilot and rescuers can develop a complete picture of the pilot's physical condition, enemy location and rescue plans that will help in a quick extraction. The radio itself is built to be extremely rugged, shock and water resistant, with an extended battery life and a modular construction that allows it to interface with ground equipment—*Boeing/GIZMAG*



Composites for UK hyperbaric chamber?

QinetiQ reports that it is supporting the UK Ministry of Defence (MOD) in testing new composite materials for the UK submarine fleet using its recently re-commissioned and refitted Hyperbaric Trials Unit (HTU). The HTU forms part of an array of



specialist equipment housed in QinetiQ's Diving and Hyperbaric Test Centre based in Haslar, Portsmouth.

The use of composite materials in the construction of submarines has a number of advantages, including the need for less maintenance which delivers a reduction in operating costs. Composite materials also provide the opportunity to reduce the acoustic signature of a submarine. As part of an on-going program, composite materials are tested by the MOD to develop new approaches and designs.

To carry out the testing of the composite materials requires a sufficiently large pressure chamber which can also meet the demanding pressure fatigue cycling regime. The HTU is fully capable of meeting these requirements and QinetiQ also is able to provide a number of highly experienced and knowledgeable hyperbaric experts to support the testing program.

The HTU is a versatile, two compartment chamber that can be used for the testing and evaluation of undersea and hyperbaric systems. It specifically allows the assessment of submarine escape and diving systems and components. Certified to test equipment to 1500m, it has a unique capability to re-create the actual pressure profiles experienced underwater, completely independent of the performance of the components under test. The HTU delivers a powerful and proven capability that can be applied in the defence industry and in commercial sectors such as the offshore oil and gas industry.



Rolls-Royce wins engine support contract in Saudi Arabia

Rolls-Royce has signed a contract to provide support for engines powering the Royal Saudi Air Force fleet of Tornado combat aircraft.

The four-year agreement provides the repair of modules, accessories and components and a package of new spares for the Tornado's RB199 engines.

UK's stealth drone to fly this year

According to a recent report in the UK's *Telegraph* last Sunday, the BAE Systems developed Taranis unmanned combat aircraft is set to undergo flight testing later this year. The report includes a number of new details about the Unmanned Combat Aerial Vehicle (UCAV) demonstrator, the result of a development program by BAE Systems for the UK Ministry of Defence to develop a bomber that can autonomously evade threats and identify targets. Human control will only be necessary to authorise attacks.

The *Telegraph* reports that in addition to the flattened form factor reminiscent of a B-2 Spirit Stealth Bomber, stealth capability will be enhanced by a "highly secretive coating" that helps radar evasion.

Unlike current military drones such as the Reaper and Predator, which have respective



top speeds of around 300 mph (483 km/h) and 135 mph (217 km/h), Taranis, powered by a **Rolls-Royce** Adour 951 engine, will be capable of supersonic speeds, though its maximum speed is classified. Nearly 12 metres long and with a 9.8m wingspan the Taranis will pack 6,500 lbs of thrust. Its maximum altitude is also classified.

During the test flight Taranis will run a full mission program to seek out targets, during which it will be exposed to unexpected threats in order to test its evasive capabilities.

The demonstrator has reportedly cost £125 million to build. The news follows the recent maiden flight of the similar nEUROn UCAV demonstrator, the fruits of a collaboration between six European countries—*Gizmag/Telegraph*



US Special Ops want small highly mobile vehicle

US Special Operations Command is planning a competition to acquire non-developmental, highly mobile vehicles capable of being transported inside V-22 Ospreys.

In a recent notice, the command announced plans to release a request for proposals on or around January 31 for a three-year contract to supply at least two identical tan-coloured vehicles, with the option for the command to buy eight more. And once the solicitation is released, industry will have 30 days to submit a proposal.

The vehicles will undergo a one-year evaluation as well as a three-month certification period, according to the statement of work released with the notice.

FORTHCOMING EVENTS.....next page



FORTHCOMING EVENTS

For a full list of defence and industry events, head to **ADM's** online events page at www.australiandefence.com.au

ADM2013: 10th Annual ADM Defence/Industry Congress

DATE: 12 – 13 February 2013, Hyatt Hotel, Canberra

ENQUIRIES: ADM Events - Jamie Burrage, Ph: 02 9080 4321;

Email: Jamie.burrage@informa.com.au **Web:** www.admevents.com.au

The annual ADM Congress has evolved into a pivotal event in the Defence calendar, attracting senior officials from all areas of the Defence Force and Defence Industry. It is a critical forum for any organisation operating within the defence business sector. Also do not miss the ADM Awards Dinner. The dinner is the perfect opportunity for you to continue networking with colleagues and new contacts made at the Congress. More details to be released closer to the date

Avalon 2013: Australian International Airshow and Aerospace & Defence Exposition

DATE: 26 February - 03 March 2013, Avalon Airport, Geelong

ENQUIRIES: Aerospace Maritime Defence Association Ph 03 5282 0500;

Email: airshow@amda.com.au; **Web:** <http://www.airshow.net.au>

The Australian International Airshow and Aerospace & Defence Exposition is the essential aviation, aerospace and defence event for the Asia Pacific. Industry-only trade sessions will be held Tuesday to Thursday (all day) and Friday will be both a trade and public day. The exposition will open each day from 9am until 5pm. Associated industry and technology conferences, seminars and symposia will be held at Avalon and in Melbourne and Geelong during show week.

International Maritime Security Conference

DATE: 14-16 May 2013, Changi, Singapore

ENQUIRIES: More details to be released closer to the date.

IMDEX Asia Web: <http://www.imdexasia.com/index.aspx>

IMSC 2013 will bring together Navy Chiefs, Coast Guard Directors-General and academia around the world to discuss threats to maritime security and safety, as well as develop frameworks and solutions to deal with the security challenges that threaten and disrupt sea lines of communication.

ADM Cyber Security Conference

DATE: 12-13 June, 2013, Hotel Realm, Canberra ***** DATE CHANGE*****

ENQUIRIES: ADM Events - Jamie Burrage, Ph: 02 9080 4321;

Email: Jamie.burrage@informa.com.au **Web:** www.admevents.com.au

ADM's 3rd Cyber Security Summit will see stakeholders from Australia's Defence and National Security agencies address the current and emerging cyber threats to Australia's security. More details to be released closer to the date

