



News from the Boeing world

January 2010

Boeing Australia & South Pacific

Boeing Integrated Defense Systems has made a number of organisation and leadership changes, as well as a name change to Boeing Defense, Space & Security (BDS). BDS President and CEO Dennis Muilenburg said the realignment is part of a continuing effort to successfully compete in a rapidly evolving global defence and security marketplace. It will position Boeing for further growth in new and adjacent markets while continuing to serve existing defence and space customers.

The United Arab Emirates Air Force has signed a contract for the acquisition of six Boeing C-17 Globemaster III advanced airlifters. The UAE will take delivery of four C-17s in 2011 and two in 2012. Boeing will support the UAE C-17s through the C-17 Globemaster III Sustainment Partnership, an agreement under which Boeing is responsible for all C-17 sustainment activities, including material management and depot maintenance support.

Boeing recorded 481 commercial airplane deliveries in 2009, matching company guidance of 480-485 airplanes. The backlog remains at 3,375 airplanes. Boeing registered 263 gross and 142 net commercial orders for the year. The Next-Generation 737 continued to lead overall orders and deliveries while the 777 maintained the top spot for twin-aisle airplanes.

Australia signs for Wedgetail support

Jobs boost with 200 high-skill places

At RAAF Base Williamtown in front of Wedgetail #1, the Defence Materiel Organisation signed a five-year, \$800 million In-Service Support contract for Australia's 737 Airborne Early Warning and Control (AEW&C) program.

Under a performance-based logistics (PBL) contract, Boeing Defense, Space & Security will provide acquisition, program management, integration and engineering services. Boeing Defence Australia will support the program with engineering, maintenance and training services and supply chain management for the six RAAF Wedgetail aircraft and ground segments. Northrop Grumman, as a Boeing subcontractor, will support the aircraft's Multirole Electronically Scanned Array radar.

The contract is expected to create more than 100 jobs in Newcastle, NSW while providing continued and new employment for more than 100 personnel in Queensland, Australia. This PBL agreement offers the RAAF maximum aircraft readiness at the lowest possible cost. Boeing is the industry leader in performance based logistics contract execution.

Noting the close co-operation between the Commonwealth and Boeing to get Wedgetail on to the RAAF flightline, The Hon. Greg Combet, Minister for Defence Personnel, Materiel and Science said the contract would reduce future costs, providing value for money for Defence and the Australian taxpayer.

"Wedgetail will be a key part of Australia's air combat capability. It will enhance surveillance, air defence, fleet support and force coordination operations. The Government is committed to this capability," Mr Combet said. "Wedgetail is a 'first of type' development and extremely complex, given the range of cutting-edge radar technology and sensors that will be incorporated into each aircraft. The Government is pleased to see that Boeing remains committed to delivering this capability."



Minister Greg Combet, Program Manager AVM Chris Deeble and Boeing VP 737 AEW&C program Maureen Dougherty.



Boeing 787 Dreamliner takes off from Boeing Field

Boeing 787 Dreamliner achieves initial airworthiness milestone

Boeing's 787 Dreamliner completed initial airworthiness testing last week. This milestone enables more crew members to take part in flights and more airplanes to join the flight test program.

Scott Fancher, vice president and general manager of the 787 program, Boeing Commercial Airplanes said, "We are very pleased with the results we have achieved so far. The airplane has been performing as we expected."

Since the first flight in mid-December, the program has conducted 15 flights, achieving several key accomplishments. Pilots have taken the airplane to an altitude of 9,144 metres and a speed of Mach 0.65. Nearly 60 hours of flying have been completed. Initial stall tests and other dynamic manoeuvres have been run, as well as an extensive check-out of the airplane's systems.

In the weeks ahead, the team will continue to expand the flight envelope at which the 787 will operate to reach an altitude of more than 12,192 metres and a speed of Mach 0.85. Subsequent testing will push the airplane beyond expected operational conditions.

Flight testing will continue in the months ahead. First delivery is planned for the fourth quarter of this year.

Making business with Boeing easier for Australian companies

Series of seminars proves a success for 45 local businesses

With more than 157,000 employees in 70 countries around the world, the idea of working with a business the size of Boeing can be understandably daunting for many small to medium sized enterprises (SMEs).

To help Australian companies, late last year the Boeing Office of Australian Industry Capability (OAIC) ran "Doing Business with Boeing" seminars around the country.

Held in Adelaide, Brisbane and Melbourne the seminars were attended by 45 SMEs. Some of these were already working with Boeing, while others were keen to find a way into the company's supply chain.

The seminars covered topics including how to navigate the various Boeing business unit supplier websites; understand the process of Boeing pre-contract assessments; quality management system requirements; supplier tools and export requirements.

One of the presenters from Boeing, Tom Coulter, Supplier Quality Management said, "The seminars aim not only to educate international suppliers on the supplier management processes, they also help to optimise their chances of being awarded Boeing work."

The seminars also looked at the various types of business agreements Boeing uses – for example, how an MOU (memorandum of understanding) differs from an MOA (memorandum of agreement), what terms like PIA (proprietary information agreement) and TA (teaming agreement) mean - as well as terms and conditions, general and international provisions and digital product definitions.

Feedback from the attendees was very positive with one saying he "wished the course was offered a couple of years ago before he started working with Boeing. It would have made life a lot easier!"



Brisbane SMEs participate in "Doing Business with Boeing" workshop



Boeing CH-47F Chinook

Boeing CH-47F Chinook helicopter fielded by 5th US Army unit

A fifth U.S. Army unit completed all required training and officially assumed operation of 12 CH-47F Chinooks in December. The Army certified the CH-47F as combat-ready in 2007. The first four units equipped with the new Chinook have deployed in support of operations Enduring Freedom and Iraqi Freedom, and the aircraft continues to perform as an asset for the Army.

The CH-47F, built at Boeing's Rotorcraft Systems facility in Ridley Township, features a newly designed, modernized airframe, a Rockwell Collins Common Avionics Architecture System (CAAS) cockpit and a BAE Digital Advanced Flight Control System (DAFCS).

The CAAS greatly improves aircrew situational awareness, while DAFCS provides dramatically improved flight-control capabilities through the entire flight envelope, significantly improved performance, and safety in the harshest of environments.

Powered by two 4,733-horsepower Honeywell engines, the new CH-47F can reach speeds greater than 280 kph and transport more than 9,525 kg. The CH-47F, with its Robertson Aviation Extended Range Fuel System, has a mission radius of more than 740 km.

BDA wins Super Hornet sustainment contract

Boeing Defence Australia (BDA) has been awarded the Super Hornet sustainment contract to provide engineering, supply chain management and maintenance services to support F/A-18F Super Hornet operations.

John Duddy, BDA vice president and managing director, said the contract signing demonstrates Boeing's unique combination of world-leading local capabilities and global Super Hornet sustainment experience.

"As the original equipment manufacturer of the Super Hornet, Boeing is best positioned to provide a total sustainment solution to the Commonwealth.

"We will be integrating our local Australian expertise with Boeing's experience as the major support provider to the U.S. Navy's Super Hornet fleet to deliver a complete solution for Australia's next generation air combat aircraft," Duddy said.

The contract is worth approximately A\$20 million per year for at least three years, and will secure more than 70 jobs at RAAF Base Amberley, in south-east Queensland.

Greg Combet, the Minister for Defence Personnel, Materiel and Science said the Super Hornet contract was also a positive outcome for the RAAF, and that "it is vital that an effective support capability is in place by end 2009, ready for the first Super Hornet arrivals".

Australia has purchased 24 F/A-18F Super Hornets to aid the transition to a mature Joint Strike Fighter capability and allow the Air Force to retire the F-111 fleet in December 2010.

The first four RAAF Super Hornets will arrive at Amberley in March/April 2010. The remaining aircraft will be progressively introduced throughout the remainder of 2010 and 2011.



First flight of the RAAF's F/A-18F Super Hornet

Student projects educate on the environment

Greening Australia celebrated the completion of the successful Earthworks Project in Brisbane in December.

The Earthwork Project was funded by Boeing Global Corporate Citizenship and delivered in partnership with Greening Australia. The funding was used by seven schools from the Queensland Gateway Learning Community to carry out works to improve and learn from their local school environments. It gave students the opportunity to plan and implement designs for their school, with the help of teachers, parents and expert guidance from GA staff.

Students from each school presented a summary of their projects which ranged from planting gardens and native plants, and building habitats for native birds and animals, to replacing concreted areas with grass, trees and benches.

Through partnerships supported by Global Corporate Citizenship grants, Boeing provides many people and groups in communities across the globe with opportunities to learn from, improve and understand their local environments.

First Australian company signs up for advanced manufacturing research

Lovitt Technologies Australia has become the first industry member of the Australian Advanced Manufacturing Research Centre (AusAMRC), an initiative led by Swinburne University of Technology and Boeing to research and develop new manufacturing technologies for aerospace, and other advanced industries.

Lovitt Technologies will work with the AusAMRC on hard metal machining to further improve their capability to deliver globally competitive and high-quality products.

AusAMRC was officially launched in Melbourne last November 13 by the Minister for Innovation, Industry, Science and Research Senator Kim Carr. The projects undertaken by the centre will improve Australia's global competitiveness in aerospace and advanced manufacturing.

"Joining the AusAMRC will enable us to remain competitive in the global industry, and to work on innovative and creative solutions," said Marcus Ramsay, managing director, Lovitt Technologies.

Lovitt Technologies began life over 50 years ago as a supplier of cutting tools and components to the automotive industry, and today is working on some of the world's most innovative and exciting defence and aerospace contracts including the Boeing 787.

"We're delighted to welcome Lovitt as the first of many AusAMRC members, and look forward to working with them to develop technology-driven solutions to ensure Australian suppliers remain among the most globally competitive in the aerospace industry," said Bill Lyons, general manager of Boeing Research and Technology.

AusAMRC will initially research new technology based on the supply chain model and will work closely with the internationally acclaimed Advanced Manufacturing Research Centre (AMRC) at Sheffield University in the United Kingdom. AusAMRC is part of the global AMRC's network of world-leading aerospace supply chain companies and key government and international academic institutions.

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