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## Airbus Sales for April



During April 2012, Airbus has completed (52) aircraft deliveries covering the company's full product range from the A318 to the A380. This activity totaled Airbus deliveries for the January-April period to (183) aircraft, received by (60) customers. It represents an increase of nearly 10% from the same period last year. The most active customer for April was

Garuda Indonesia Airways'. The Asian airliner ordered (11) A330-300s. This was the third A330 booking by this national carrier of Indonesia since July 2010. For the new acquisition, Garuda Indonesia selected the latest extended-range A330-300 variant with a 235-tonne maximum take-off weight, and will configure the aircraft in a premium two-class layout for services from its hubs in Jakarta and Denpasar to destinations in Asia, the Middle East and the Pacific.

The month's deliveries were paced by the A320 Family - with (33) A320s, (4) A321s, (2) A319s and (1) A318 received by worldwide customers. This included the first A320 for Jetstar Japan - one of the country's newest low-cost carriers. Jetstar Japan is to start commercial services in July with an initial fleet of three aircraft - planning to grow to (24) within the next three years. The Japanese carrier will start commercial services in July operating from Narita to Kansai, Fukuoka, Sapporo, and Okinawa with an initial fleet of three aircraft.



Other notable deliveries in April were an A330-200F for Malaysia Airlines, completing this operator's order for (4) of the new-generation A330 freighter aircraft; along with the same-day handover of an A321 and A330-300 to Turkish Airlines. Singapore Airways received an A380 during the month - the 17th for its fleet - bringing deliveries of the 21st century Airbus flagship to an overall total of (72) through April 30.

A notable order in April involved an ACJ318 for an unidentified private customer. The ACJ318 is based on the passenger A318. The smallest and newest of the ACJ family, it typically seats up to 19 passengers with a range of 4,050 nmi (7,500 km).

Currently the worldwide Airbus orders totals (11574) whereas there are (7225) aircraft in operation.

	A300/ A310	Single Aisle	A330/ A340/ A350/	A380	Total
<b>Total Orders</b>	816	8381	2124	253	11574
<b>Total Deliveries</b>	816	5091	1246	72	7225
<b>Aircraft in Operation</b>	493	4947	1226	72	6738

Kyriazis Vasileios,

Epicos Newsletter Head Editor

## Boeing: Aircraft Deliveries for April



The Boeing Company delivered during the first 4 months of 2012, (188) airplanes. The aircraft with the most deliveries for this period was the 737 with (137) deliveries and was followed by 777 with (26) deliveries. The 767, 747 and 787 aircraft followed with nine, eight and eight deliveries respectively. Ryanair Ltd. the Irish low-cost airline, which has been

characterized by rapid expansion in the last decade received the biggest number of aircrafts (16 in total) for this period. Currently the European low-cost airline operates over (290) Boeing 737-800 aircraft.

Amongst the deliveries Boeing made during the first quarter was that of the 60<sup>th</sup> Boeing 777 passenger jetliner to Air France. Air France's newest 777-300ER seats 468 passengers in a three-class configuration and it will be used for flights between Paris and the French Overseas Departments in the Indian Ocean and the Caribbean regions, including Fort de France, Pointe a Pitre and St-Denis de la Reunion. By summer 2012, Air France will operate a total of (62) 777 passenger jetliners and (2) 777 Freighters.

Additionally, on April 25, 2012 Boeing delivered the first 747-8 Intercontinental passenger airliner to Deutsche Lufthansa AG. Christoph Franz, Chairman of the Executive Board and Chief Executive officer of Deutsche Lufthansa AG stated during the delivery: "After working together for many years, we are very pleased to have the newest generation of four-engine aircraft join our fleet".



On March 27, 2012 Boeing delivered a Next-Generation 737-800 jetliner to the Aerosvit Ukrainian Airlines. This was the first of the eleven airplanes Boeing will deliver to the Ukrainian Airline. All Next-Generation 737 airplanes will be delivered with the new Boeing Sky Interior that offers unprecedented passenger appeal and comfort which such features as spacious cabin headroom, overhead bins that disappear into the ceiling yet carry more bags and LED lighting that brings any color into the cabin. Aerosvit will be the first airline in the country to introduce Boeing Sky Interior.

Finally, on April 2, 2012 Boeing delivered to Air Bridge Cargo Airlines (ABC), which is part of the Volga-Dnepr Group the second of five new Boeing 747-8 Freighters. ABC is the first airline in Eastern Europe to operate the 747-8 Freighter.

Kyriazis Vasileios,

Epicos Newsletter Head Editor

## Epicos "Industrial Cooperation and Offset Projects"



Epicos "Industrial Cooperation and Offset Projects" provides a unique set of online tools enabling the structure, identification and implementation of comprehensive Offsets programs, through a searchable database. By introducing different offset projects and ideas proposed by local A&D industry it ensures the optimum cost for Prime Contractors and reassures that the priorities of local industry are fully met...

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### Manufacturing of aeronautical metal and composite material structure assemblies and subsystems for military and commercial aircrafts



military and commercial aircrafts.

A company with extensive experience in the design and production of aircraft structural assemblies and special parts for the civil and military aircraft industry is proposing, in the frame of an offset program, the cooperation with Aerospace and Defense (A&D) prime or lower tier companies, either locally or worldwide, for the manufacturing of aeronautical metal alloys and composite material structural assemblies and subsystems, both for

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### Upgrade of aircrafts and helicopters internal & external lighting for Night Vision Imaging Systems (NVIS) compatibility



A company with extensive experience in the design and manufacturing of illuminated display and control systems is proposing in the frame of an offset program the cooperation with a military or homeland security agency or with prime contractors for the upgrade of special operation aircrafts and helicopters internal & external lighting for Night Vision Imaging Systems (NVIS) compatibility.

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## Epicos- Amazon



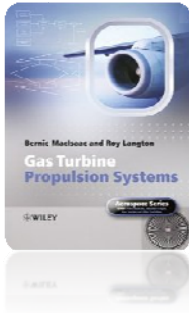
### **FAR/AMT 2012: Federal Aviation Regulations for Aviation Maintenance Technicians (FAR/AIM series), by Federal Aviation Administration**



updates throughout the year.

As the most accurate and reliable regulatory reference on the market for aviation maintenance technicians (AMTs), this volume of the Federal Aviation Regulations (FAR) and relevant advisory circulars clearly marks all changes from the previous year. Additional AMT references from the FAA Advisory Circular publication makes this book the most comprehensive regulations book available for aviation technician and repair centers. All data is indexed by subject matter and features the regulations from the original government text. Reformatted for better legibility, this edition offers access to a free e-mail and downloads service that posts FAR

### **Gas Turbine Propulsion Systems (Aerospace Series), by Bernie MacIsaac, Roy Langton**



unique engine systems and future developments in gas turbine propulsion systems. The authors also present examples of specific engines and applications.

Major changes in gas turbine design, especially in the design and complexity of engine control systems, have led to the need for an up to date, systems-oriented treatment of gas turbine propulsion. Pulling together all of the systems and subsystems associated with gas turbine engines in aircraft and marine applications, Gas Turbine Propulsion Systems discusses the latest developments in the field. Chapters include aircraft engine systems functional overview, marine propulsion systems, fuel control and power management systems, engine lubrication and scavenging systems, nacelle and ancillary systems, engine certification,



### Key US ally Australia slashes military spending

Key US ally Australia slashed Aus\$5.5 billion (US\$5.57 billion) from its defence budget Tuesday as part of sweeping cuts, deferring or scrapping jet and weapons deliveries and sacking 1,000 staff.

Defence saw the largest cuts of any sector in the 2012-13 budget, with \$5.5 billion in savings scheduled over the next four years, but the government promised the reductions would have "no adverse impact on operations" overseas.

Australia has some 1,500 troops serving in Afghanistan as well as peacekeeping deployments in East Timor and the Solomon Islands, and it is set to host a new United States military base in the Asia-Pacific.

Some 2,500 US Marines are to be stationed in northern Australia by 2016-17 under a deal inked with US President Barack Obama last year which will see a major expansion of military ties between the two nations.

But Canberra is to delay the acquisition of 12 F-35 Joint Strike Fighter jets to save Aus\$1.3 billion, with another Aus\$1.7 billion to come from cancelling 35 self-propelled howitzer artillery pieces and other projects.

Lockheed Martin's troubled F-35 programme has laboured under soaring costs and delays, with claims the stealth jet has now been outclassed by new Russian and Chinese aircraft.

Several other countries including the US and Italy have announced they are delaying or cutting their F-35 orders.

Australia will also delay upgrades to defence facilities, saving Aus\$1.2 billion, with 1,000 civilian defence personnel to be sacked to save Aus\$360 million.

The Hercules C-130 aircraft will be retired early "in order to minimise costs associated with maintaining and operating the ageing fleet", saving Aus\$250 million.

But Defence Minister Stephen Smith said: "The provision of equipment to defence personnel on operations will not be adversely affected and there will be no adverse impact on the number of military personnel in the Australian defence force.

"The decisions... have all been carefully designed to protect our servicemen and women and our defence operations, and to minimise the impact on core capabilities."

Smith said further cost-cutting measures would be taken to fund a raft of priority projects including replacing the Collins class submarine and Caribou transport aircraft and upgrades to Orion patrol aircraft and ANZAC class ships.

The navy would review its international programme and "reprioritise" its operations, while the army would reduce its use of the M113AS4 armoured vehicle and M1A1 Abrams tanks, with some to be retired into storage.



Canberra committed an extra Aus\$1.3 billion to operations in Afghanistan and the Middle East, with Aus\$77 million for East Timor and Aus\$44 million in the Solomons.

Australian troops are due to begin pulling out of Afghanistan by 2014 and Smith said there "may well (be) the start of a draw down of Australian troops in East Timor and the Solomon Islands" in 2013.

"Taken with transition in Afghanistan, these drawdowns will mean a readjustment of both Australian defence force posture and wider defence priorities in the coming years," he said.

Australia last reviewed its defence force strategy in 2009 and the government recently announced a fresh blueprint would be drawn up in 2013, a year ahead of schedule, as military focus shifts towards the Asia-Pacific.

**Source:** 2012 AFP, Agence France-Presse (AFP)

#### **Taiwan's EVA Air orders three Boeing jets**

Taiwan's EVA Airways on Tuesday ordered three Boeing 777-300ER passenger aircraft for \$930 million as the carrier moved to retire less fuel-efficient planes.

EVA Airways, the second biggest air carrier in Taiwan after China Airlines, said it also leased four aircraft of the same type from GE Capital Aviation Services.

Delivery of the seven planes is slated from June 2014 and is due to be completed two years later, the carrier said, adding that they will be used on long-haul flights to North America and Europe.

Boeing said the type of aircraft is about 20 percent more fuel-efficient than competitors from other aircraft makers. It did not provide details.

**Source:** 2012 AFP, Agence France-Presse (AFP)

#### **NATO chief to discuss Afghanistan with new French leader**

NATO chief Anders Fogh Rasmussen will soon speak with French president-elect Francois Hollande, the alliance spokeswoman said as the new leader plans to hasten France's pullout from Afghanistan.

The secretary general will speak with Hollande to "congratulate him very soon" and discuss a wide range of issues, including Afghanistan, ahead of a NATO summit in Chicago on May 20-21, said NATO spokeswoman Oana Lungescu.

"France as we all know is a staunch ally. NATO counts on France and France can count on NATO," she told a news conference.

Hollande vowed during the election campaign to withdraw France's 3,300 troops from Afghanistan this year, two years earlier than NATO's plan to pull out combat troops and hand full security control to Afghan forces in 2014.

"That timetable will be reaffirmed in Chicago," Lungescu said.

"Mr Hollande made clear during the election campaign that any decisions on the next stage will be taken in consultation with NATO allies and that's exactly why all NATO leaders are meeting in Chicago."

At the summit, she added, alliance leaders "will have a thorough discussion on all the issues on the agenda including on Afghanistan and will take decisions together, as always happens in NATO."

**Source:** 2012 AFP, Agence France-Presse (AFP)

### **New Berlin airport opening delayed indefinitely: officials**

The scheduled opening of Berlin's new main airport next month has been delayed indefinitely due to problems with fire protection measures, authorities said Tuesday.

Berlin-Brandenburg International Airport, designed to replace the city's current two hubs, Schoenefeld and Tegel, was to welcome its first flights on June 3.

Airport chief Rainer Schwarz said he was now aiming for an opening "after the summer break", without setting a date.

He was joined at a news conference by Berlin Mayor Klaus Wowereit and Brandenburg state premier Matthias Platzeck, who said he could not deny that he was "furious" about the shock announcement.

"This is not a good day for Berlin-Brandenburg airport, the citizens of our states and the many visitors to our region," Wowereit added.

"You can imagine that we did everything possible in the last few months to try to achieve an opening date of June 3."

The massive construction project, on the site of the current Schoenefeld airport, has been dogged by delays and the original opening scheduled for 2007 has already been pushed back several times.

Berlin's airports are not the country's busiest, with Schoenefeld and Tegel combined welcoming around 24 million visitors a year -- small compared with the number of passengers at Frankfurt airport in western Germany.

But the new facility, built for about 2.5 billion euros (\$3.3 billion), is intended to accommodate the sharp rise in air traffic to the region seen in the two decades since the fall of the Berlin Wall and German reunification.



It estimates it will service around 27 million passengers a year.

Berliners were already mourning the closure of Tegel, which is relatively close to the city centre and whose small, hexagonal main terminal was a 1960s relic that allows passengers to hop in or out of a taxi just outside their gate.

The new ultra-modern facility, complete with the money-spinning shopping mall common in modern airports, is on the capital's southeastern outskirts in the state of Brandenburg, and accessible primarily by rail.

**Source:** 2012 AFP, Agence France-Presse (AFP)

### **Boeing, Lufthansa Celebrate Flyaway of First Airline 747-8 Intercontinental**

EVERETT, Wash., May 1, 2012 /PRNewswire/ -- Boeing (NYSE: BA) and Deutsche Lufthansa AG, celebrated the flyaway of the first 747-8 Intercontinental delivered to an airline. Boeing and Lufthansa employees joined leaders from both companies, media and suppliers for a delivery ceremony at the Future of Flight Aviation Center beside Paine Field airport in Everett, Wash. At the conclusion of the ceremony, Carsten Spohr, chairman of the executive board and CEO of Deutsche Lufthansa; Nico Buchholz, executive vice president, Group Fleet Management, Lufthansa; and Elizabeth Lund, Boeing vice president and general manager, 747 Program, boarded the airplane with about 30 passengers and crew for the flight taking the airplane from Everett to Lufthansa's home base at Frankfurt, Germany.

When the airplane lands at Frankfurt May 2, Lufthansa will host a special celebration. The airplane will begin regular revenue service June 1 on a flight from Frankfurt to Washington, D.C.

The 747-8 Intercontinental will bring double-digit improvements in fuel burn and emissions over its predecessor, the 747-400, while generating 30 percent less noise. The 747-8 Intercontinental's Dreamliner-inspired interior includes a new curved, upswept architecture giving passengers a greater feeling of space and comfort, while adding more room for personal belongings. It is powered by GE Aviation's GEnx-2B engines.

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**Source:** Boeing, Epicos