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Epicos Newsroom

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Boeing Completes 2013 with Record Commercial Deliveries



Boeing completed a significantly successful year as it recorded (648) commercial deliveries in 2013. This was the biggest number of commercial airplanes delivered in a single year. Additionally, the company recorded 1,355 net commercial orders in a year the second-largest in company's history. The company's unfilled commercial orders stood at 5,080 at the end of the year - also a new Boeing record. Boeing Commercial Airplanes President and CEO Ray Conner stated: "With solid execution on our numerous production rate increases, the Boeing team performed extremely well in 2013, we delivered more advanced, fuel-efficient airplanes to our customers than ever before, and it's a great example of what our team can accomplish".

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In 2013, three programs set records for deliveries in single year:

- The 737 program delivered 440 Next-Generation 737s
- The 777 program delivered 98 airplanes
- The 787 program delivered 65 Dreamliners, now flying with 16 customers around the world

Orders, deliveries and unfilled orders as of Dec. 31, 2013, by program were as follows:

Family	Gross Orders	Net Orders	Deliveries	Unfilled Orders
737	1,208	1,046	440	3,680
747	17	12	24	55
767	2	2	21	49
777	121	113	98	380
787	183	182	65	916
Total	1,531	1,355	648	5,080

Next year it is expected to be as important as the last year. Mr. Ray Conner stated for the new year the following: "The year ahead will be exciting as we prepare to deliver the first 787-9, continue the design work on our newest programs - the 737 MAX, 787-10 and 777X - while increasing our production rates on the 737, we will remain focused on meeting our customer commitments by delivering the best products and services".

Kyriazis Vasileios,

Epicos Newsletter Head Editor



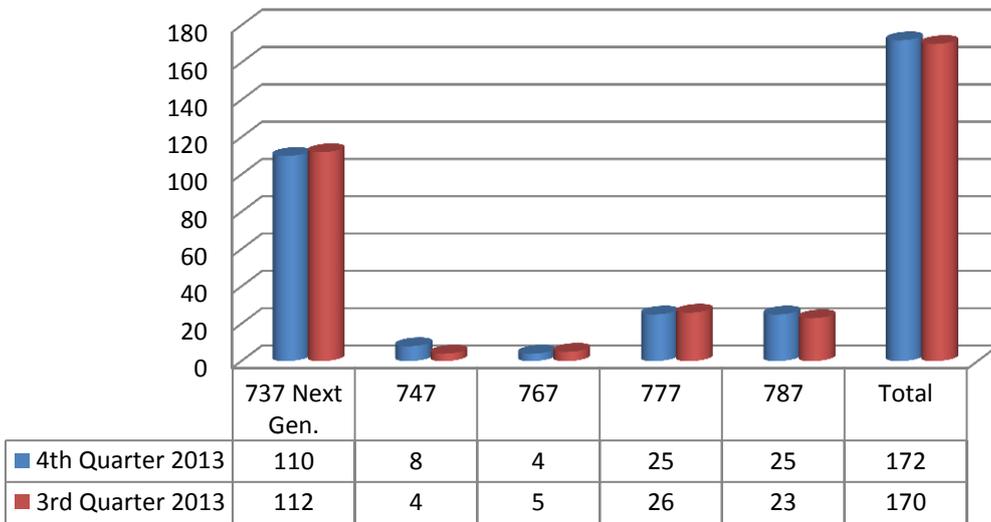
Boeing: Deliveries for the 4th Quarter of 2013



The Boeing Company delivered the total of (172) airplanes during the 4th quarter of 2013. The aircraft with the most deliveries for this quarter was the 737 with (110) deliveries and was followed by the 777 and 787 with (25) deliveries each. The 747 followed with (8) aircraft and the 767 with (4) aircraft delivered.

Compared with the deliveries the company completed during the 3rd quarter of 2013 these of the 4th quarter were slightly improved. The Boeing Company delivered (170) airplanes in total during the 3rd quarter of 2013. The aircraft with the most deliveries for this specific quarter was the 737 with (112) deliveries, followed by the 777 and 787 with (26) and (23) deliveries respectively. The 767 came after with (5) aircrafts and finally, the 747 with (4) aircraft delivered.

Deliveries 4th Quarter 2013 Vs 3rd Quarter 2013



Regarding the defence operation of the company, during the 4th quarter of 2013 Boeing delivered (6) Apache, (12) Chinook, (2) C-17, (11) F-15 (12) F/A-18E/F and EA-18G, (4) P-8 and (5) Satellites.

4 th Quarter 2013	
Apache	6
Chinook	12
C-17	2
F-15	11
F/A-18E/F and EA-18G	12
P-8	4
Satellites (Government & Commercial)	5

One of the deliveries Boeing completed during the 4th quarter was the 13th production P-8A Poseidon to the U.S. Navy. The aircraft arrived at Naval Air Station Jacksonville, Fla., on December 4, 2013.

Kyriazis Vasileios,
Epicos Newsletter Head Editor



GEOSPATIAL ADVANCEMENT CANADA

After many months of research with the Canadian Geo community, I would like to welcome you to WBR's inaugural Geospatial Advancement Canada Summit, taking place 3-5 March, at the Ottawa Convention Centre, Ontario, Canada. This educational seminar will bring together leaders and managers of geospatial intelligence, remote

sensing, GIS data & mapping, satellite imagery and analysis within the military, governmental, and geo intelligence sectors. The aim will be to discuss the full range of geospatial concepts and ideas that addresses the unique requirements in Canada.

The agenda is now complete. You can [download your own copy here](#) to see what will be discussed and by whom. Over 40 leaders in Canadian geomatics and the Canadian Armed Forces will be giving you their first hand experiences and take-aways. We have specifically divided the agenda into three key themes:

DAY 1: Exploring the Latest Technology and Innovation to Overcome Interoperability Challenges

- How to use various forms of remote sensing and satellite imagery to improve your decision making
- Discover who is leading from the front with the most innovative and cutting-edge technology
- How can your organization evolve and grow by achieving interoperability

DAY 2: Developing a National Geo Strategy through Collaboration of Government and Private Industry

- Understanding how to develop and improve a GIS program
- Using GIS for operational purposes and improved decision making
- How to cooperate with other government agencies and collaborating on the use, ownership and costs of data

DAY 3: GIS Governance – Challenges & Opportunities; Policy Development, Senior-Level Buy In, Workforce

- What the future of GIS will be and how it can positively impact Canada
- Identifying critical stakeholders and the intricacies of the various business requirements
- Developing evaluation and training programs of key personnel

With delegates already registering, here is what the geomatics community is looking forward to:



“I am looking forward to sharing the possibilities the future holds with like-minded professionals”

Bruce Langevin, Director General and Chief Information Officer
NATURAL SCIENCES AND ENGINEERING RESEARCH COUNCIL



“At this conference, we will discuss local issues to find global solutions”

Gido Langden, Geomatics Officer
NATURAL RESOURCES CANADA



“I am looking forward to learning and sharing thoughts about the future of our profession as I am a firm believer our ‘stock’ is about to rise”

Nigel Day, Head, Geomatics Section, Eastern Region
GOVERNMENT OF ONTARIO

And lastly, but not least, we are proud to announce our partners: **Intergraph, teconnect, BlackBridge, Applanix** and **Overwatch**.

Geospatial Advancement Canada is the ideal opportunity to review technological advances and to evaluate the multitude of ways in which GeoInt can be utilized by all facets of government operations. Attending the summit will ensure that you are up-to-date on insights from industry leaders, able to defend against critical obstacles, and are implementing effective methodologies into your GIS programs.

***** EXCLUSIVE 15% DISCOUNT TO EPICOS SUBSCRIBERS *****

As a partner of the Canadian Institute of Geomatics, we are proud to offer you an **exclusive 15% discounted rate** off the current price to attend the conference. This is not advertised, and will allow you to save even more whilst attending an event that will give you clear actionable take aways.

[Register your place](#) / Find out more information using code **GEO14EPIC** to receive your special rate:

- Call us on 1.888.482.6012
- Visit www.geospatialcanada.com
- Email us at geospatialcanada@wbresearch.com

I look forward to you joining our GIS community in Ottawa.

Kind regards,

Neil Thompson OMM CD
Chairman – Geospatial Advancement Canada

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...

[For Further Information Press Here](#)

Manufacturing of composite material and thermoforming parts and components for the aerospace and defense industry



A company with significant experience in manufacturing parts and components using composite material technology is proposing, in the frame of an offset program, cooperation with a Prime Contractor or lower tier companies, either locally or worldwide, for the

manufacturing of composite material parts and components, to be used in specific aerospace and defense programs.

[For Further Information Contact our ICO Department](#)

Mail at: g-menexis@epicos.com

Provision of surface treatment and painting services for small and medium-size metal parts



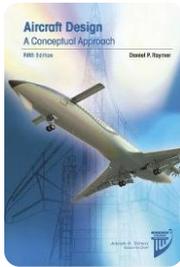
A company with significant experience in light sheet-iron works, surface treatment and painting is proposing to cooperate with a Prime contractor or lower tier company for the provision of surface treatment and painting services for small and medium-size metal parts that will be used in specific aerospace programs.

[For Further Information Contact our ICO Department](#)

Mail at: g-menexis@epicos.com

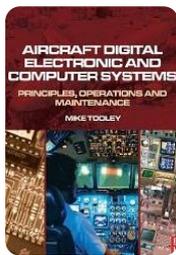


Aircraft Design a Conceptual Approach, by Daniel P. Raymer



This textbook presents the entire process of aircraft conceptual design - from requirements definition to initial sizing, configuration layout, analysis, sizing, optimization, and trade studies. Widely used in industry and government aircraft design groups, "Aircraft Design: A Conceptual Approach" is also the design text at major universities around the world. A virtual encyclopedia of engineering, it is known for its completeness, easy-to-read style, and real-world approach to the process of design.

Aircraft Digital Electronic and Computer Systems, Mike Tooley a David Wyatt



Butterworth-Heinemann's Aircraft Engineering Principles and Practice Series provides students, apprentices and practicing aerospace professionals with the definitive resources to advance their aircraft engineering maintenance studies and career. This book provides an introduction to the principles of aircraft digital and electronic systems. It is written for anyone pursuing a career in aircraft maintenance engineering or a related aerospace engineering discipline, and in particular will be suitable for those studying for licensed aircraft maintenance engineer status as part of an EASA or FAR-147 approved course or taking Aerospace Engineering City and Guilds modules, EDEXCEL National Units, EDEXCEL Higher National Units or a Degree in aircraft engineering.



Easyjet logs rising passenger numbers

British no-frills airline Easyjet on Tuesday revealed that passenger numbers climbed by 3.5 percent in December to reach 4.5 million.

Easyjet added in a trading update that it carried 61.3 million passengers during 2013, which was 3.6 percent higher than 59.2 million in 2012.

The airline, which is based in Luton north of London, added that the passenger load factor -- the proportion of seats filled -- was flat at 87.9 percent in December, but rose to 89.3 percent over the year.

Last week, Irish low-cost carrier Ryanair said it had carried 5.0 million passengers in December compared with 4.8 million a year earlier, a rise of 4.0 percent. Total passenger numbers rose 2.0 percent to 81.4 million people in 2013 compared with the previous year.

Source: 2014 AFP, Agence France-Presse (AFP)

US factory orders hit 1992 high

New orders for US manufactured goods surged in November to their highest level since 1992, lifted by rises in aircraft and ship orders, the Commerce Department said Monday.

New factory orders rose 1.8 percent from October to \$497.9 billion in November, the highest monthly level since the current data series began in 1992, the department said.

Excluding transportation, new orders were up 0.6 percent in November. The November reading marked a rebound from October's revised 0.5 percent decline and was in line with analyst expectations.

Transportation equipment, a sector that can be volatile month-over-month, led the November surge. New transportation orders, which have climbed for three of the past four months, advanced 8.3 percent to \$81.1 billion.

Orders for ships and boats soared by 22.5 percent from October, followed by commercial aircraft, up 21.8 percent. Motor vehicle orders rose 2.4 percent.

Source: 2014 AFP, Agence France-Presse (AFP)

3D-printed components flown in British fighter jet

A Tornado fighter jet fitted with metal components created on a 3D printer undertook a successful test flight in Britain last month, defence company BAE Systems said Sunday.

The plane was equipped with a 3D-printed protective cover for the cockpit radio, a protective guard in the landing gear and support struts on the air intake door, the British firm said.

The announcement follows NASA's successful test of a 3D-printed rocket engine component in August last year, as aerospace companies seek cheaper and quicker ways to manufacture engineering parts.

"You are suddenly not fixed in terms of where you have to manufacture these things," said Mike Murray, Head of Airframe Integration at BAE Systems, announcing the successful test flight at the firm's airfield in Warton, northwest England.

"You can manufacture the products and whatever base you want, providing you can get a machine there, which means you can also start to support other platforms such as ships and aircraft carriers.

"And if it's feasible to get machines out on the front line, it also gives improved capability where we wouldn't traditionally have any manufacturing support."

BAE said some of the parts -- produced at a Royal Air Force base in eastern England -- cost less than £100 (\$165, 120 euros) to manufacture, and had the potential to save hundreds of thousands of pounds every year, without giving details.

Source: 2014 AFP, Agence France-Presse (AFP)

JFK halts flights after plane skids into snowbank

A plane skidded into a snowbank on Sunday in freezing conditions at New York's John F. Kennedy Airport, which temporarily ceased operations because of the icy conditions, officials said.

The airport was closed at 8:32 am (1332 GMT) after a Delta Airlines jet from Toronto slid into snow on a taxiway, officials including at the Port Authority, which manages the airport, said. There were no injuries to the 35 people on board, according to ABC News.

The airport, which handles international and domestic flights and is one of the largest in the United States, reopened shortly before 11:00 am.

Many flights were delayed by nearly two hours while around 15 flights were canceled, according to the air traffic monitoring website flightaware.com.

There were also delays at the nearby LaGuardia and Newark airports.

On Saturday, a small plane made an emergency landing on a highway in the Bronx borough of New York, injuring the pilot and two passengers, as the area battled a bitter cold snap.

The United States is in the midst of a brutal cold spell that has left at least a dozen people dead and seen some of the coldest weather in two decades.

Source: 2014 AFP, Agence France-Presse (AFP)

Singapore Airlines jet makes emergency landing in Azerbaijan

A Singapore Airlines Airbus A380 superjumbo made an emergency landing in Azerbaijan on Monday due to a loss of cabin pressure but no one was injured, the carrier said.

The service from London to the city-state landed safely without any injuries to the 467 passengers and 27 crew members on board, a Singapore Airlines spokesman said.

"Oxygen masks were deployed and the aircraft landed uneventfully at Baku airport at 01:03 (2103 GMT Sunday)," he told AFP by email.

"We are seeking clearance from local authorities to transfer affected customers to a hotel until a replacement aircraft arrives from Singapore."

In a Facebook post, passenger Matthew G. Johnson said a "loud air noise was heard from the door five rows in front" shortly after take-off from Heathrow Airport in London.

Upon questioning, a crew member allegedly told him that the door had a "mild" leaking seal, Johnson said in comments accompanying a photograph of a dimly lit cabin with oxygen masks hanging from the ceiling.

A few hours later, oxygen masks were deployed and the aircraft began an emergency descent over Afghanistan after the cabin began losing pressure, he said.

Singapore Airlines has a fleet of 19 Airbus A380s, with five others on order, according to its website. The planes are used for flights from Singapore to various destinations including Frankfurt, Hong Kong, London and Los Angeles.

Source: 2014 AFP, Agence France-Presse (AFP)