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Airlines: Global Traffic Results for April



On May 30th, 2013 the International Air Transport Association (IATA) announced global traffic results for April. According to this report the total passenger demand rose 3.2% compared with April 2012. Compared to April 2012 capacity rose by 4.4% slightly staying ahead of demand and pushing the industry load factor downwards by 0.9% points to 78.1%. It was emerging markets that led air travel growth, while it is important to

state that almost all regions reported year-over-year gains. Regarding the results Mr. Tony Tyler, IATA Director General and CEO stated: "Passenger demand continued to grow in April, extending the positive trend that has been developing since late 2012. The increase, however, is concentrated in emerging markets. Airlines in Europe and North America reported a modest expansion compared to the strong growth seen in Africa, the Middle East and Asia. While economic developments in Europe and the US certainly bear watching, most indicators continue to signal further expansion in air travel."

The European airlines recorded a 2% growth compared to April 2012. Passenger's demand was smaller than that of March which reached 4.5%, mainly due to the downward impact of the timing of the Easter holiday. Capacity grew by 2.9% and load factor pushed down to 79.4%.



The Middle East Carriers showcased the largest year-on-year demand growth reaching 10.9%.

Capacity rose by 12.9% and load factors reached 76.8%. Demand on air travel was mainly benefited from expansion of trade volumes in the Middle East and Africa.

The carriers of the Asia-Pacific region recorded a year-on-year increase of 2.4%. Capacity rose 3.7% while load factor slipped to 76.9%.

The North American carriers experienced a shrunk of 0.5% in traffic demand during April compared to the same month last year, being the only region experiencing a reduction in traffic growth. Capacity rose by 1.3%, whereas load factors reached 79.5%, still the highest for any region.

April 2011	Passengers' Demand	Capacity Expansion	Load Factor
Europe	2.0%	2.9%	79.4%
Middle East	10.9%	12.9%	76.8%
North America	-0.5%	1.3%	79.5%
Latin America	4.6%	7.9%	76.0%
Asia Pacific	2.4%	3.7%	76.9%
Africa	4.7%	3.3%	67.8%

The Latin American airlines recorded a 4.6% growth in demand whereas capacity rose by 7.9% and load factor dropped to 76%. Finally the African Airlines showcased a growth of 4.7% in passenger demand compared to April of the previous year, while capacity rose 3.3%, causing load factor to rise to 67.8%. African as Middle East airliners have seen solid growth in air travel as a result of a sustained increase in trade.

Kyriazis Vasileios,
Epicos Newsletter Head Editor

Air Freight Markets: April 2013



On May 29th 2013, the Geneva based International Air Transport Association (IATA) released the global air freight demand statistics for April 2013. Compared to April 2012 the air freight market showed a modest growth of 1.4%. Tony Tyler, IATA's Director General & CEO, stated regarding this development: "We saw a brief rally in cargo markets at the end of 2012. But that has clearly stalled. Fortunately, the small improvement in April means that economic conditions have not deteriorated to the point of starting a market contraction. And if we look to emerging markets -particularly Latin America and the Middle East- we do see some encouraging signs of growth".

The carriers of the Asia-Pacific area showcased a 0.4% year-to-year fall in freight demand. Despite the fact that Chinese economy is still experiencing a robust economic growth, overall business confidence softened in April. On the contrary Japanese business confidence reached a 13-month high and the impact of this development is expected to be recorded in the future.

Freight demand for North America airlines fell by 0.1% in April compared to the same month of the same year. Despite the fact that there is still a decline it is an improvement compared to the 6.5% fall in March.

European carriers saw an increase in air freight demand of 0.9%. Despite the economic crisis that the area is experiencing, air freight volumes are still holding up.

On the other hand Middle East airlines experienced a robust year-to-year growth of approximately 8.6% compared to April 2012. Despite the fact that this is number is a

Region	Annual Freight Growth Rate
Europe	0.9%
North America	-0.1%
Asia-Pacific	0.4%
Middle East	8.6%
Latin America	12.2%
Africa	1.4%

slowdown to the year-to-date growth rate of 11.2% is still the second best behind Latin America.

As it is mentioned Latin America experienced the highest growth of all regions

with a 12.2% expansion compared to the year-ago levels. This is mainly due to strong domestic demand and sustained growth in exports of perishable goods.

Finally, African airlines recorded an air freight demand grow by 1.4% compared to April 2012.

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...

[For Further Information Press Here](#)

Development of a customized Howitzer crew training and simulation system

A leading player in artillery simulation and training concepts is interested in expanding its Howitzer crew training and simulation system into new markets. The complete training system is a proven concept, which uses a complete turret with all equipment, dummy ammunition and monitoring systems for the instructors to make sure that artillery training can be performed as realistic as possible. The system simulates the whole firing process and is considered to be much more cost effective than training in the real environment. Having delivered more than 50 systems to 10 international customers worldwide, the company has established the market leadership in this field. The company is interested in expanding this leadership and extend its customer base to new

countries. In this context, the company is willing to cooperate with a prime contractor to develop a customised Howitzer training system, which can be offered to a third country as part of a direct or indirect offset programme.

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

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Ruggedized TFT displays capability development for vetronics applications

A company is proposing the collaboration with a Prime Contractor or a third company for the development of fully-ruggedized TFT displays line in order to be utilized in vetronic systems development and installation.

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

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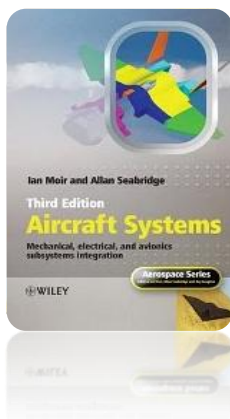


Aircraft Noise: Assessment, Prediction and Control, by Oleksandr Zaporozhets, Vadim Tokarev, Keith Attenborough



Aircraft noise has adverse impacts on passengers, airport staff and people living near airports, it thus limits the capacity of regional and international airports throughout the world. Reducing perceived noise of aircraft involves reduction of noise at source, along the propagation path and at the receiver. Effective noise control demands highly skilled and knowledgeable engineers. This book is for them. It shows you how accurate and reliable information about aircraft noise levels can be gained by calculations using appropriate generation and propagation models, or by measurements with effective monitoring systems. It also explains how to allow for atmospheric conditions, natural and artificial topography as well as detailing necessary measurement techniques.

Aircraft Systems: Mechanical, Electrical and Avionics Subsystems Integration, by Ian Moir, Allan Seabridge



This third edition of Aircraft Systems represents a timely update of the Aerospace Series’ successful and widely acclaimed flagship title. Moir and Seabridge present an in-depth study of the general systems of an aircraft – electronics, hydraulics, pneumatics, emergency systems and flight control to name but a few - that transform an aircraft shell into a living, functioning and communicating flying machine. Advances in systems technology continue to alloy systems and avionics, with aircraft support and flight systems increasingly controlled and monitored by electronics; the authors handle the complexities of these overlaps and interactions in a straightforward and accessible manner that also enhances synergy with the book’s two sister volumes, Civil Avionics Systems and Military Avionics Systems.



Harris Corporation Receives \$23 Million Order from Middle East Nation for Wideband Tactical Communications System

Harris Corporation (NYSE:HRS), an international communications and information technology company, has received a \$23 million order from a country in the Middle East as part of its tactical communications modernization program. Harris will provide the country with Falcon III® radios, accessories, software, service and support as part of a transformational wideband tactical communications system. The system provides battlefield forces with greater command and control and situational awareness by transmitting tactical voice, video and data.

The system integrates a full suite of software-defined radios from the Harris Falcon III® RF-7800 family. This includes the lightweight RF-7800S, a soldier personal radio for full-duplex voice and data communications over 2 kilometers; the RF-7800M for wideband mobile ad-hoc networking; and the RF-7800W High-Capacity Line-of-Sight Internet Protocol radio for high-speed backhaul data communications. The order also includes networking components, accessories and spares.

"Harris is helping customers transition legacy tactical communications to modern networked wideband systems," said Brendan O'Connell, president, International Business, Harris RF Communications. "These systems provide security forces with critical real-time tactical information in all forms — voice, video, imagery, position location, mapping and more."

Harris RF Communications is the leading global supplier of secure radio communications and embedded high-grade encryption solutions for military, government and commercial organizations. The company's Falcon® family of software-defined tactical radio systems encompasses manpack, handheld and vehicular applications. Falcon III is the next generation of radios supporting the U.S. military's Joint Tactical Radio System (JTRS) requirements, as well as network-centric operations worldwide. Harris RF Communications is also a leading supplier of assured communications® systems and equipment for public safety, utility and transportation markets — with products ranging from the most advanced IP voice and data networks to portable and mobile single- and multiband radios.

About Harris Corporation

Harris is an international communications and information technology company serving government and commercial markets in more than 125 countries. Headquartered in Melbourne, Florida, the company has approximately \$5.5 billion of annual revenue and about 15,000 employees — including 6,000 engineers and scientists. Harris is dedicated to developing best-in-class assured communications® products, systems, and services. Additional information about Harris Corporation is available at harris.com.

Source: Business Wire, Harris Corporation

India's Kingfisher Airlines loses another \$382 mn

India's grounded Kingfisher Airlines, owned by billionaire liquor baron Vijay Mallya, said Friday it lost another \$382 million in the first quarter of the year.

The private carrier is struggling to win back its permit to fly after a deadline to renew its suspended licence expired in January.

The company posted a net loss of 21.42 billion rupees (\$382 million) in the three months to March, compared with a 11.52 billion rupee loss a year earlier.

It has never made a profit since it started operations in 2005 and owes millions of dollars to banks, airports, fuel suppliers and its staff.

"The company did not have any operations during the quarter," Kingfisher confirmed in its statement.

Kingfisher lost permission to fly after it failed to present a viable recovery plan to the aviation regulator.

Most of the carrier's 4,000-odd employees have not been paid since July 2012, which led to a strike by its pilots and engineers in October.

Kingfisher was the worst-hit of India's airlines in 2012, with the industry plagued by high jet fuel prices, fierce competition, price wars and shabby airport infrastructure.

Mallya is desperate to find an outside investor to help get the airline running again.

Source: 2013 AFP, Agence France-Presse (AFP)

Raytheon books \$106 million Paveway(TM) II contract

Raytheon Company booked a \$106 million contract for its combat-proven Paveway(TM) II family of precision-guided munitions. The company was awarded the direct commercial sale from an international customer. The contract includes Paveway(TM) kits for both GBU-12 (500lb) and GBU-58 (250lb) guided bombs. Paveway(TM) is a Raytheon-designed kit that transforms "dumb" bombs into precision-guided munitions. The contract order was booked in Raytheon's second quarter of 2013.

"Customers worldwide continue to select Raytheon's Paveway(TM) to protect their warfighters and citizens," said Harry Schulte, vice president of Raytheon Missile Systems' Air

Warfare Systems. "This contract further demonstrates Raytheon's long-standing commitment to its international partners."

Raytheon continues to evolve Paveway(TM) to meet the needs of the U.S. armed forces as well as allied nations. The Raytheon Paveway(TM) family offers precision guidance kits compatible across a broad spectrum of warheads. Enhanced versions of Paveway(TM) include Global Positioning System/Inertial Navigation System guidance capabilities. These combine the precision and flexibility of traditional laser-guided weapons with the all-weather capability of GPS guidance, resulting in a weapon that decreases the required sortie count and weapons inventory while simultaneously increasing the mission success rate.

About Paveway(TM)

The Paveway(TM) family of guided bombs has revolutionized tactical air-to-ground warfare by converting "dumb" bombs into precision-guided munitions. Bombs equipped with Paveway(TM) kits have been put to the test and proven themselves time and again. Paveway(TM) is the weapon of choice for 43 customers. Paveway(TM) guided bombs comprised more than half the air-to-ground precision-guided weapons used in Operation Iraqi Freedom, Enduring Freedom and Unified Protector.

About Raytheon

Raytheon Company, with 2012 sales of \$24 billion and 68,000 employees worldwide, is a technology and innovation leader specializing in defense, security and civil markets throughout the world. With a history of innovation spanning 91 years, Raytheon provides state-of-the-art electronics, mission systems integration and other capabilities in the areas of sensing; effects; and command, control, communications and intelligence systems; as well as a broad range of mission support services. Raytheon is headquartered in Waltham, Mass. For more about Raytheon, visit us at www.raytheon.com and follow us on Twitter @raytheon.

Note to Editors

Paveway(TM) is a registered Community Trademark in the European community.

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Source: PR Newswire Association LLC, Raytheon Company

Philippines to Receive Riverine Patrol Boats from US

The Philippine Navy (PN) is set to receive six riverine patrol boats (RPBs) from the United States in August under a US Navy (USN) Foreign Military Sales (FMS) contract.

A Silver Ships riverine patrol boat (RPB) on trial in the United States.1513348A Silver Ships riverine patrol boat (RPB) on trial in the United States. (Silver Ships)

According to an official at manufacturer Silver Ships, a contract was signed with the USN in September 2011 and the boats were completed a year later. However, delivery was delayed until early May this year due to "non-availability of marine transport".

Although the boats are capable of open-water operations, they will be used primarily in shallow waters. They have a length of 40 ft, a beam of 10 ft 8 inches and a draft of less than two feet.

The boats feature a centre console configuration and a bow ramp to permit egress of embarked troops during beaching operations. They have three weapon mounts - two forward and one aft - for machine guns and grenade launchers as well as ballistic protection.

Powered by two Hamilton HJ-292 waterjets, each driven by a Yanmar 6LY2A-STP diesel producing 440 hp, top speed is 40 kt. Fully loaded, range is greater than 250 n miles at a cruising speed of more than 30 kt.

Besides Silver Ships, fellow US boatbuilder Willard Marine is supplying unspecified numbers of 7 m Sea Force 730 outboard rigged-hull inflatable boats (RHIBs) to the PN under an FMS programme.

In other news, the PN announced in March it was looking to buy three more multi-purpose attack craft (MPAC) to add to its fleet of six vessels. "This acquisition is under our mid-term development plan for 2014-2017," said PN spokesperson Lieutenant Commander Gregory Fabric.

The MPACs are similar to the CB-90 Combat Boat. The first three were constructed by Lung Teh Shipbuilding in Taiwan, while the following three were built locally to a revised design by Propmech Corporation, based in Subic Bay. The PN is hoping to later acquire 42 MPACs but funding remains an issue.

Source: Epicos

Britain's TUI Travel to buy 60 Boeing planes

TUI Travel, Europe's biggest tour operator, is to buy 60 of Boeing's fuel-efficient 737 MAX passenger planes for a "significant discount" to the combined catalogue price of \$6.09 billion (4.67 billion euros), it announced on Friday.

The British group also has the option and right to buy up to a further 90 of the planes, TUI Travel added in a statement.

"TUI Travel...is pleased to announce, subject to shareholder approval, a commitment to purchase 60 narrow-body Boeing 737 MAX aircraft," the company said in the statement.

It added that the purchase was "part of its fleet renewal strategy".

TUI Travel's share price was down 1.65 percent at 357 pence in early deals on London's benchmark FTSE 100 index, which was showing a drop of 0.91 percent to 6,596.56 points.

TUI Travel chief executive Peter Long said the aircraft purchase would allow the group to strengthen further.

"I can confidently say that being able to offer our customers the most advanced, comfortable aircraft, whether they are travelling with us to short or long-haul destinations, while reducing our environmental impact, will only strengthen our position," he said in the statement.

The company recently announced that net losses fell in the first half of the group's financial year, boosted by growing demand in Britain and the Nordic region.

But a study published on Thursday revealed that fewer Europeans are planning to go away for a summer holiday as economic austerity bites -- with levels of foreign vacation travel at their lowest for eight years.

No more than 54 percent of Europeans are planning such a trip, according to the Ipsos-Europ Assistance "holiday barometer".

By contrast, the global airline industry body said on Thursday that world air-passenger traffic grew by 3.2 percent in April, compared to the level a year ago, driven by travel in emerging markets.

"We see strong growth among African, Asia-Pacific, Middle Eastern and Latin American airlines," International Air Transport Association chief Tony Tyler told journalists in Cape Town.

Also on Thursday, Singapore Airlines (SIA) said it would buy 30 Airbus and 30 Boeing aircraft in an order worth more than \$17 billion as it seeks to maintain market leadership using the next-generation fuel-efficient planes.

SIA is battling strong competition in the premium segment from Middle Eastern carriers and on the economy side from budget airlines, which have grown in number in the region

TUI Travel was created in late 2007 from the merger of British travel group First Choice and the tourism activities of Germany's TUI.

Source: 2013 AFP, Agence France-Presse (AFP)