

# INTERNATIONAL AIRPORTREPORT

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## **Sydney Airport Releases Runway Safety Plan**

Sydney Airport released the draft Major Development Plan (MDP) for

## **Upcoming Events**

**AAAE Europe/U.S./Canada Airport Security Policy and Technology Conference...**Vienna, Austria, April 28-30, 2008

**AAAE Arts in the Airport Workshop...**Toronto, Canada, April 30-May 2, 2008

**AAAE/IAAE Canada North American Senior Airport Management Conference...**Toronto, Canada, May 11-13, 2008

**U.S./Europe ATC/Airport Capacity Summit...**Brussels, Belgium, June 30-July 2, 2008

**2008 Airports Conference of the Americas...**St. Maarten, July 20-22, 2008

**U.S./Pacific Airport Issues Conference...**Tamuning, Guam, Oct. 5-7, 2008

**Airport Tourism and Impact of Low-Fare Airlines Conference...**Antalia, Turkey, Oct. 6-8, 2008

**14th Annual Central Europe/U.S./Canada Airport Issues Conference...**Athens, Greece, Oct. 20-22, 2008

**Third Annual AAAE/IAAE International Airport Geographic Information Systems Conference...**Amsterdam, The Netherlands, Nov. 11-13, 2008

the construction of a larger runway safety area at the western end of the east-west runway and invited public submissions on the proposal by June 18.

The provision of larger runway safety areas at Australia's airports is a mandatory safety requirement set by the Civil Aviation Safety Authority (CASA) and is in line with international aviation standards, the airport noted. The new standards are intended to minimize the harm to passengers in the event that an aircraft overruns or lands short of a runway.

The runway safety area is proposed to be an 8,100-square-meter land bridge that will provide a cleared area measuring 90 meters by 90 meters from the end of the runway strip to assist in the deceleration of an aircraft. Construction will involve the installation of more than one hundred 27-meter-long precast concrete structural beams, each weighing more than 25 tons.

The equipment needed for the \$85 million construction means that operations on the east-west runway will be impacted, and the runway will either be closed or have only restricted availability while construction is undertaken, the airport said.

To ensure aviation safety, the east-west runway will be closed for eight months from mid-October 2008 to mid-June 2009. For the following 10 months, from mid-June 2009 to mid-April 2010, the runway will be operated with restrictions and be unavailable during the hours of 7 a.m. to 7 p.m. Works that do not impact the operation of the runway then will be undertaken and the project is planned to be completed by June 2010.

The mid-October 2008 to mid-June 2009 period for runway closure has been selected since historical weather data indicates that high crosswinds are

less likely to occur during these months. This is an important consideration in minimizing potential disruptions for passengers and airlines, the airport said.

The draft MDP includes an independent noise consultant's report that assesses the likely noise impacts associated with the closure of the east-west runway. The findings are:

- No new residents will be impacted by aircraft noise;
- Any impact will be temporary;
- The airport curfew and cap of 80 aircraft movements into and out of Sydney Airport per hour will not change;
- People living under the existing flight paths of the two north-south runways will, to varying degrees, experience an increase in the number and frequency of aircraft movements. Some of these residents will notice a decrease in the periods during which they experience no noise.

The report states that the maximum daily increase in flight movements over certain areas will be dependent upon weather conditions and decisions by Airservices Australia about which of the two north-south runways to use. The daily increase experienced by some residents could be between 38 and 69 flights per day.

## **Queen Opens Heathrow's New Terminal 5**

Her Majesty The Queen officially opened London Heathrow Airport's Terminal 5 in early March.

Built by airport operator BAA, the new terminal is scheduled to open on March 27 for business for up to 30 million passengers a year.

The new terminal, with British Airways as sole airline occupant, is set to help transform the passenger experi-

(continued on following page)

ence at Heathrow, officials said.

Some 60,000 people have worked a total of 100 million man hours to build Terminal 5, since construction work began in September 2002.

Some facts about the new terminal:

- Terminal 5 is the biggest free-standing building in the UK – the building is 40 meters high, 396 meters long and 176 meters wide.
- Terminal 5 will be five times the size of Terminal 4, BA’s current main long-haul base.
- The building will be comprised of five levels, each designed around the different stages of the passenger journey.
- 30,000 square meters of reinforced glass and 5,500 glass panels have been used to glaze the terminal building and roof.
- The baggage system is the biggest, single-terminal baggage handling system in Europe, containing 18 kilometers of belts and capable of transporting 12,000 bags per hour around the terminal.
- The Terminal 5 site is located between Heathrow’s two runways on land previously occupied by a sludge works. The project has successfully moved 9 million cubic meters of earth, and two rivers have been diverted to create space for the new building.
- More than 250,000 evergreen ground cover shrubs, 2,000 meters of native hedgerow trees, 1,500 semi-mature trees and 2,500 semi-mature shrubs are being used to landscape the area around Terminal 5 in the next two years.
- Water from Terminal 5’s rainwater harvesting and groundwater boreholes is being used for non-potable uses, reducing the demand on the mains water by 70 percent. The harvesting plan re-uses up to 85 percent of the rainfall that falls on Terminal 5’s campus.
- Waste heat from the existing combined heat and power station at Heathrow is being piped to Terminal 5 through an underground pipeline and will provide Terminal 5 with 85

percent of its heat.

**Frankfurt Airport Traffic Increases In February**

Traffic at Frankfurt Airport continued to grow in February, increasing by 8.2 percent over February 2007 to 3.85 million passengers. Even after adjusting for the additional operating day (Feb. 29), Frankfurt still achieved about a 4 percent jump in passenger traffic versus February 2007, the airport said.

In the first two months of 2008, 5.8 percent more passengers used the airport than in the comparable period in 2007.

Air freight activity at Frankfurt experienced similarly robust development, officials said. With nearly 169,000 metric tons, the airport handled 7.2 percent more air freight than in February 2007. Air mail rose by 2.3 percent to almost 7,300 metric tons. Aircraft movements also climbed by 2.7 percent to approximately 38,000 takeoffs and landings in February.

The Fraport Group’s majority-owned airports (Frankfurt, Frankfurt-Hahn, Antalya, Lima, Burgas and Varna) served a total of almost 5.1 million passengers in February — 8.5 percent more than in the same month last year. Peru’s Lima Airport registered nearly 650,000 passengers (up 20.7 percent). Fraport’s terminals at Antalya Airport in Turkey welcomed approximately 318,000 passengers, a 6.4 percent rise. Frankfurt-Hahn reported a 9.7 percent drop in traffic to 237,000 passengers. With more than 15,000 passengers, Bulgaria’s Varna Airport achieved growth of 23.3 percent; Burgas Airport experienced traffic growth of 36.9.

**Access Control, Fire Systems Installed In Jeddah Terminal**

GE Security Inc. announced the deployment and installation of new access control and fire and life safety

systems at King Abdulaziz International Airport’s Hajj Terminal in Jeddah, Saudi Arabia.

The installation includes the new DirecDoor IP door controller to manage access at the terminal’s many doors.

Hajj Terminal can accommodate 80,000 travelers and is estimated to be the world’s fourth largest air terminal. King Abdulaziz International Airport is Saudi Arabia’s third largest air facility.

DirecDoor can allow doors to be efficiently controlled using online access systems. Unlike traditional centralized access control panels, the DirecDoor controller is deployed at the door — at the edge of the network — with full controller intelligence. Each controller can provide simplified installation for up to two doors.

The Hajj terminal installation also includes the GE Security fire solution. The Hajj Terminal installation is complemented by the VisioWave-based intelligent smoke detection system — one of the first VisioWave intelligent applications to be used in a Mideast airport.

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## Surface Surveillance System Added At Budapest

Era Corp. said it installed its MSS system for surface surveillance at Budapest Ferihegy International Airport and achieved site acceptance with Hungarocontrol.

The solution uses strategically placed sensors to provide extended coverage of runways, taxiways and aprons, improved automation of aircraft identification and enhanced surveillance in all weather conditions.

Budapest Ferihegy International, one of the fastest growing airports in Central and Eastern Europe, has been the subject of many infrastructure upgrades to prepare for further growth and demand. A comprehensive surface surveillance solution was needed to ensure optimal safety and efficiency during all ground movements, officials said.

Era has deployed its systems in more than 35 countries, including the world's first surface and wide area multilateration systems.

## U.K. Raises Price Caps At Heathrow, Gatwick

The U.K. Civil Aviation Authority (CAA) issued its final decision on price controls at Heathrow and Gatwick airports for the five-year period ending March 31, 2013, allowing the airports to boost the price cap at both airports by more than 20 percent.

The CAA said that its package of price caps and incentives "will enable and encourage BAA to deliver genuine service quality improvements and to invest to raise the level of facilities and service that can be delivered to passengers and airlines. The outcome for passengers should be decently modern airports and consistently high service standards."

The CAA set the following maximum charges:

**Heathrow:** £12.80 per passenger in 2008/09, an increase of £2.44 on a

like-for-like basis, representing a 23.5 per cent increase in real terms from the current (2007/08) price cap, with allowed charges subsequently increasing in each of the following four years by no more than retail price index (RPI) inflation plus 7.5 percent each year.

**Gatwick:** £6.79 per passenger in 2008/09, an increase of £1.18 on a like-for-like basis, representing a 21.0 per cent increase in real terms from the current (2007/08) price cap, with allowed charges subsequently increasing in each of the following four years by no more than RPI inflation plus 2.0 percent.

At both airports, the difference from the CAA's November proposals is in the first year increase, which is £0.83 per passenger or 7 percentage points greater at Heathrow and £0.72 per passenger or 12 percentage points greater at Gatwick.

## Kazakhstan Purchases Air Traffic Management System

Lockheed Martin said it received a \$15.5 million contract from Kazaeronavigatsia, a state-owned air navigation service provider, to deploy a SkyLine air traffic management system at an area control center in Aktobe, Kazakhstan.

This is the second contract awarded to Lockheed Martin as Kazaeronavigatsia works to establish a national air traffic management system that will enhance Kazakhstan's transportation infrastructure.

The new contract also includes three remote towers in Aktobe and an air defense system in Astana, Kazakhstan's capital, where the first Lockheed Martin SkyLine system is helping to guide 47 percent of the country's airspace.

## Donetsk Airport To Add Airfield Equipment

The Siemens subsidiary N.V. ADB S.A., Zaventem, Belgium, has received an order from the Regional Administration of Donetsk, Ukraine, to supply airfield equipment to Donetsk Interna-

tional Airport in the Ukraine.

As general contractor, ADB will supply its own airfield lighting technology, as well as radar systems, weather observation stations, noise and air pollution monitoring systems and Instrument Landing System equipment. The project is scheduled for completion by December 2008.

Siemens ADB will completely refurbish the runway (CAT III and CAT I) with flashing lights, approach lights and touchdown zone lighting. Precision Approach Path Indicators, runway centerline and edge lights are also included in the scope of supply. The taxiways will be equipped with more than 1,000 LED lights and guidance signs. ADB also will install constant current regulators, transformers, cabling, individual lamp control systems for stop bar, rapid exit and lead-on lights. Diesel generators, UPS and low voltage switchboards will make up the rest of the equipment supplied. An ADB ALCS (Airfield Lighting Control System) will be installed to control all airfield movements with the lighting systems.

## Hong Kong To Add New Cargo Terminal

Cathay Pacific Services Limited, a wholly owned subsidiary of Cathay Pacific Airways Limited, was awarded a non-exclusive, 20-year franchise to design, construct and operate a new cargo terminal at Hong Kong International.

The new terminal plus recently completed enhancements to the cargo apron, taxiways and aircraft stands are designed to help the airport meet future demand for cargo services.

Scheduled to open in the second half of 2011, the new terminal will have an annual capacity of about 2.6 million tons and increase the airport's total general and express cargo handling capacity to 7.4 million tons annually. The new facility will be located on a 10-hectare site in the cargo terminal area.

# News From Around The World

**Grupo Aeroportuario del Pacífico, S.A.B. de C.V. (GAP)** announced that the company officially has inaugurated the new satellite terminal building at Puerto Vallarta International. The terminal has been in operation since Dec. 22, 2007. The new building is designed to accommodate international arriving and departing flights, with two levels and four service counters, served by jetways and five remote gates. The new terminal will enable six additional operations per hour, which could mean an additional 800,000 passengers per year.

The Aviation Authority of Singapore announced a \$7.2 million expansion project at **Changi Airport's** Budget Terminal scheduled to begin in July.

Sensis Corp. announced that Nav Canada has expanded its contract for Sensis Automatic Dependent Surveillance-Broadcast (ADS-B) ground-based transceivers to include deployment along the Labrador and Baffin Island coasts of **Canada** for enhanced surveillance of transatlantic air traffic. This deployment is in addition to the current deployment of Sensis ADS-B and Multistatic Dependent Surveillance at Vancouver Harbour, Fort St. John and Hudson Bay.

**Alitalia** has agreed to be purchased by Air France-KLM for \$184 million and a pledge to buy back bonds. The transaction requires the approval of Italy's government and Alitalia's unions.

**Lockheed Martin Overseas Corp.** and the **Romanian** Ministry of Defense have signed a contract for the co-production of 17 TPS-79 Multi-Mission Surveillance Radar systems for Romania's Phase II "Gap Filler" program. Lockheed Martin provided

two prototype systems to the Romanian Ministry of Defense under a Phase I contract awarded in 2002. Romania is using the medium-range systems, together with five existing Lockheed Martin AN/FPS-117 long-range air surveillance radars, to monitor airspace around the country.

Qantas Airways announced it would operate a record 47 flights between the U.S. and **Australia** each week, when it commences new services to Brisbane and Sydney, beginning March 27. The new services will include: two flights per week between Los Angeles and Brisbane, beginning March 27 and April 1; one flight per week between Los Angeles and Sydney, beginning March 30; and one flight per week between Honolulu and Sydney, beginning April 5.

**Emirates** will open a route between Los Angeles and Dubai on Sept. 1. The carrier will use 777-200LR equipment on the route.

Era Corp. said it achieved site acceptance with the **Civil Aviation Administration of China (CAAC)** for its ADS-B and multilateration surveillance system at Beijing Capital International in advance of the 2008 Summer Olympics as planned. Era's MSS system has been installed at the airport to support the extreme increase in movements that are expected for the games.

Effective March 26, passengers of China Eastern Airlines, Jet Airways, Qatar Airways and United Airlines will depart from and arrive at **Singapore Changi Airport's** new Terminal 3, which opened for operations on Jan. 9. These four carriers, which are currently operating from Terminal 1, will join Singapore Airlines, which already is operating from Terminal 3.

**Grupo Aeroportuario del Centro Norte (OMA)** received recognition for

the first time as a Socially Responsible Company (ESR) for 2008 from the Mexican Center for Philanthropy (CEMEFI) and the Alliance for Corporate Social Responsibility. According to CEMEFI, "The ESR logo certifies a company to its employees, investors, customers, public officials and society in general for having publicly assumed the commitment for management practices that are socially responsible as part of their culture and business strategy, and for having supported compliance with the standards proposed in four areas of social responsibility: quality of life within the company, business ethics, community ties, and care for and preservation of the environment."

**Singapore Airlines** made the first commercial flight with the A380 jumbo plane on March 17, departing from Singapore bound for London. The flight carried 449 passengers.

**Aeroports de Paris** in February accommodated 6.1 million passengers, an increase of 3.5 percent over February 2007. Paris Charles de Gaulle airport recorded a gain of 5.7 percent to 4.2 million passengers and Paris Orly airport traffic declined 1.1 percent to 1.9 million passengers. International routes improved during the month, while domestic traffic fell by 5.8 percent, due principally to the strike by air traffic controllers at Paris Orly and to the traffic slowdown on routes to and from Strasbourg.

American Airlines said it will move three of its London flights from **Gatwick Airport** to **Heathrow Airport** in the coming weeks as part of the open skies agreement between the U.S. and the European Union, which takes effect March 30.