

AIR NAVIGATION SERVICES NEWS

Thales Air traffic Management in Germany has been awarded a contract by ASECNA (Agency for the Security of Air Navigation in Africa) for the supply of 27 VHF Omnidirectional Radio Range (VOR), 13 Distance Measuring Equipment (DME) and one Doppler VOR (DVOR) systems to be deployed in 16 countries in Africa. The significant air traffic growth in Africa in recent years has led to the crucial need of operational enhancement of en-route navigation capabilities and modernization of airport infrastructure. The contract will support ASECNA's modernization strategy, while ensuring a major improvement of safety and efficiency in ASECNA-covered airspace. #883.ATC1

Afghanistan has awarded Thales a contract for the delivery, installation, training and commissioning of the country's first operational wide area multilateration system. The surveillance system will control an area covering 1000 km by 648 km, giving coverage for en-route flight above sea level and in the vicinity of Kabul, Mazar-e-Sharif and Herat airports. The system will allow the processing of ADS-B messages. Announcing the contract at the recent Berlin Air Show, Vaclec Sourek, Sales and Marketing Director of Thales Air Traffic Management Services in Germany, where the contract is being managed, said: "It can be expanded to accommodate lower flight levels right down to airport runway and taxi route monitoring." #883.ATC2

Passur Aerospace has been awarded a USD 2.88 million contract with the U.S. FAA for a one-year pilot programme to provide access to air traffic control and aviation security related products in support of the FAA's joint role with the Transportation Security Administration (TSA). "We're very proud to partner with the FAA and the TSA in support of the multi-agency mission of airspace security," said Jim Barry, Passur Aerospace's Chief Executive. Passur Aerospace is the sole provider of all products and services to be performed under this contract. Specific solutions will be delivered through the FAA's ADAPT (Automatic Detection and Processing Terminal) System, and will include both data feeds as well as end-user software applications. The Passur solutions derive from several core Passur capabilities, including its national network of surveillance systems, which includes extended coverage of critical airspace corridors; its integrated database of live and historical flight and airspace information; flight behavior algorithms; flight and airspace visualization technology; and collaborative information dashboards for instant alerts and decision support, as well as the ability to immediately share information and coordinate action. #883.ATC3

Airservices Australia has selected its Metron's Traffic Flow product to support its long-term gate-to-gate Collaborative Decision Making (CDM) vision. Airservices will initially deploy Metron Traffic Flow, a component of the Metron Harmony integrated ATFM suite, to provide the foundation for ATFM and regional coordination to enhance the capacity, efficiency and safety of Australian airspace. The contract covers a 15-year period, with all options exercised, and provides the framework for future collaboration. Airservices Australia is responsible for providing air navigation services in approximately 11% of the world's total airspace, and manages air traffic operations for 63 million passengers on more than four million domestic and international flights every year. Metron Traffic Flow will be used to manage

traffic flow and capacity for all controlled airspace, including those flights originating from outside Airservices' area of responsibility. The system provides CDM capabilities for Airservices' operations groups, airlines and regional stakeholders. Metron Traffic Flow will be deployed at the National Operations Centre (NOC) in Canberra, control towers, area control centres and airline operations centres as well as being used by Australian military units. #883.ATC4

Hong Kong's confidence in the integrated tower solutions offered by Frequentis has resulted in a new order for the Austrian company's electronic flight strips system by Hong Kong's Civil Aviation Department. Under the contract, Frequentis will supply the two air traffic towers at Hong Kong International Airport with its SmartStrips next-generation flight data handling solution, integrating both Departure Clearance (DCL) using datalink and its SmartTools solution for aeronautical information display and control. SmartStrips is an advanced electronic flight strips system that increases the efficiency of tower operations through automation, while also providing such safety benefits as runway incursion warnings. SmartTools provide the controller with advance access to all the supporting information they require. The GUI concept focuses on the user and their needs, providing context-sensitive and instant access to important information. This includes real-time weather information, navigational aids status, relevant charts, and similar kinds of supporting information. The solution is based on the Frequentis TAPtools platform, an ATC-grade platform for air traffic control applications. This platform has also been selected by NATS (the British ANSP) as its electronic flight data system for the Prestwick and London Terminal Control centres. #883.ATC5

The U.K. Government could sell half of its stake in National Air Traffic Services (NATS) as part of its efforts to cut the country's record deficit. NATS Chairman Peter Read said that the government can sell 25% and retain 49% of its stake or sell it all. Read said seven airlines, including British Airways, EasyJet, Lufthansa-owned BMI, Virgin Atlantic, Thomas Cook, TUI Travel and Monarch Airlines, are also expected to reduce their shareholdings under the Airline Group title. The Airline Group controls 42% of NATS and the remaining 9% is held by airport operators and staff. Read expects the sale to raise GBP 700 million for the government. #883.ATC6

IATA has formalized a strategic partnership with the Ukraine Ministry of Transport and the State Aviation Administration with the signing of a Memorandum of Intention (MoI). The MoI was signed in Kiev by IATA Director General Giovanni Bisignani, and UkraineTransport Deputy Minister and Chairman of the State Aviation Administration, Anatolii Kolisnyk. The MoI outlines seven specific areas of cooperation including safety, security, technology, airport infrastructure, air navigation, ground handling, and training. "IATA's global standards and technical expertise can contribute significantly to the development of safe, efficient and environmentally responsible aviation in Ukraine. This MoI gives us a strong framework to contribute to building an even more competitive Ukraine air transport sector, with the benefits being spread across the economy," said Bisignani. Specific points addressed in Bisignani's dialogue with Transport Minister Kostiantyn Efymenko and Deputy Minister Kolisnyk included: improving safety; implementing IATA's Simplifying the Business programme; and reducing infrastructure charges. #883.ATC7

Northrop Grumman Park Air Systems in Oslo, Norway, has won contracts to provide air traffic control tower communications equipment and a surface movement guidance and control system at the Noi Bai International Airport, Hanoi, the largest airport in northern Vietnam.

The recently built 80-m high air traffic control tower is the first step in a comprehensive upgrade programme for the airport. The construction of the new terminal has already started and further extensions are expected in the near future. The ATC tower will be fitted with a voice communication system consisting of Northrop Grumman's GAREX Voice Communication and Control System (VCCS), recording system and PAE T6 multi-mode air-to-ground radios, all of which will be integrated to deliver enhanced communications at the airport. The advanced surface movement guidance and control system (A-SMGCS) comprises the NOVA 9000 display processing system and a surface movement radar. The A-SMGCS will consist of 16 Controller Working Positions (CWP) placed in the tower and approach rooms, as well as a technical position with recording and test systems for engineering and training purposes. The company's NOVA 9000 will be integrated with existing control systems to deliver enhanced air traffic control capabilities and ensure air traffic controllers have a clear view of ground movements under normal and low visibility operations. #883.ATC8

Air transport in Africa has received a major boost with the announcement from SITA that it has established the continent's first VHF Digital Link (VDL) station in Johannesburg, South Africa, in time to support FIFA World Cup air traffic. SITA provides the world's airlines with a global network of 1200 VHF radio stations for air ground datalink between ground operation centres and the aircraft. SITA is enhancing the service by adding radios that provide the new ICAO standard VHF Digital Link service, giving 10 times more capacity than traditional VHF ACARS. Philip Clinch, SITA Vice President, Aircraft Solutions, said: "SITA is very proud of its record of supporting air-ground communications in Africa over the last twenty years. We were pleased to respond to a request from the airlines to install this station so that for the first time the bandwidth-hungry applications in Airbus A380s are fully supported when they arrive in South African air space." The SITA AIRCOM customers flying A380's to Johannesburg for the World Cup include Air France and Lufthansa. #883.ATC9

Lystrup, Denmark-based Terma has developed a new SCANTER Ground Surveillance Radar (GSR) which is specifically designed to operate reliably in difficult environments. The radar operates reliably in rain, salt spray, sand, hail, direct sun, and other harsh usage conditions, such as strong vibrations, extreme temperatures, and wet or dusty conditions. The new radar is based on proven Terma technology and can be used in both fixed and semi-permanent installations, and can be transported for mobile deployment. Deployment, mounting, and setting up are easy. The unit can be carried and deployed by two persons, and it takes less than 10 min to deploy it from packed transportation mode to fully operational use. The radar automatically generates a clutter map and optimizes the target-to-noise levels without any required user adjustment. The SCANTER GSR provides complete 360° coverage through continuous scanning with an adjustable antenna elevation. #883.ATC10

AviBit Air Traffic Solutions has announced the successful implementation of the second ACEMAX (A-SMGCS) installation for Deutsche Flugsicherung GmbH (DFS) in Germany. After passing all acceptance tests, the system has been in operational use since April 2010 and integrates

information from four surveillance systems at Hamburg International Airport. The new system will be the key instrument for ground surveillance at all weather conditions, while reducing costs and improving safety for ground operation. AviBit has been awarded the main contract for this project which included the AviBit Data Fusion, HMI, Recording and Replay and the delivery of a Surface Movement Radar from Terma. The scope of the project covered system integration and data fusion of an ERA-Multilateration system, a Terma SMR, an (existing) RACAL SMR and the existing SSR. #883.ATC11

Tetra Tech Inc. has been awarded the U.S. FAA's Information Technology Support Services Contract (ITSSC), an indefinite quantity contract under which the FAA may order technical support services valued at up to USD 95 million over a five-year period. This single-award contract is a follow-on contract to Tetra Tech's previous five-year USD 21 million Air Traffic Crew Support System contract with the FAA, known as Cru-X. Under the ITSSC, Tetra Tech will provide information technology services in the areas of software applications development and maintenance support, database development and management, application helpdesk support, information delivery solutions and support, desktop support for software development activities, security certification support, configuration management, and documentation support. The new contract has a one-year base period and four option years. Tetra Tech's team includes EDS, Oracle Corporation, and several small businesses. Tetra Tech's Advanced Management Technology, Inc. (AMTI) operating unit was awarded this contract. #883.ATC12

CANSO held a discussion on the fallout from the volcanic ash situation in Europe at its 14th Annual General Meeting, held recently in Oslo. This was the first time the CEOs of ANSPs from across the globe have been gathered together to discuss this issue. The panel consisted of David McMillan, Director General of Eurocontrol, Jeff Poole of IATA, Richard Deakin, Chief Executive of NATS, Dan Smiley of the FAA and CANSO Operations Manager, and Doug Johnson of the London Volcanic Ash Advisory Centre.

Doug Johnson presented the role of the VAAC and explained the modelling of the ash cloud distribution. He was followed by David McMillan, who made a strong defence of the decisions taken at the time to close European airspace. Poole argued that there are 500 active volcanoes at present around the world, which aircraft safely deal with, and that there was a "staggering complacency" by some European governments and institutions to deal with the problem. He concluded by suggesting that the development of a network manager in Europe might be a positive element of the whole episode. Richard Deakin suggested that the modelling proved to be quite accurate, although more sampling data would have been useful. He suggested that communications were difficult when there were 27 different definitions of safety regulations, and that a firm European regulatory approach was required. Finally, Dan Smiley gave a summary of the Alaska volcanic contingency plan, which sets out a detailed response to a volcanic event, involving all actors and making responsibilities and communications lines very clear. #883.ATC13

The U.S. and the European Union were expected to sign an agreement on 18 June 2010 to increase cooperation on their NextGen air-traffic management system. Authorities from both sides of the Atlantic have been working for years to develop satellite-based navigation equipment that will enable pilots to fly more direct routes and provide controllers with advanced tools to safely handle many more planes in the same airspace. Until now, the formal U.S. and EU efforts have been separate,

although companies and government officials from both sides have shared concepts. Industry officials around the globe have been concerned that the world's two biggest aviation markets could end up developing incompatible solutions. When finalized, the agreement will for the first time allow direct cooperation between technical experts working on the U.S. FAA's NextGen system and the EU's Sesar Joint Undertaking.

The agreement provides for more than 20 distinct cooperation areas and builds on previous pacts covering joint research and procedure for near-term enhancements, according to David Grizzle, the FAA's acting deputy administrator. U.S. airlines and lawmakers have said they want to see demonstrations of early gains before making longer-term commitments. The goal of NextGen and Sesar is to increase the capacity and safety of air-travel networks while cutting flight times and congestion. Using computerized guidance systems linked via satellites, aircraft will keep a safe distance from each other in the air, navigate around storms and even keep track of runway hazards. Planes will also be able to fly closer to each other on shorter, more fuel-efficient routes, which should cut emissions of greenhouse gases.

#883.ATC14

CANSO has established an Americas Office, based in Mexico and supported by CANSO Members Aena (Spain), FAA (USA), NAATC (Netherlands Antilles), NAV Portugal and SENEAM (Mexico). At a signing ceremony at CANSO's Annual General Meeting, CEOs from the five supporting CANSO Members signed a letter of intent establishing the office, its mission, and resources. The office will be located in the SENEAM Headquarters in Mexico City and be primarily focused on transforming Air Traffic Management performance in the Caribbean and Latin America. Aena has agreed to support the office by funding a full-time Latin American and Caribbean Liaison Officer. #883.ATC15

Rockwell Collins has published a new e-Book titled 'The Most Critical Step to Facilitate the Convergence of Manned and Unmanned Aviation'. The eBook reviews progress being made towards the convergence of manned and unmanned aviation. "As an industry, we've made a significant amount of progress towards allowing unmanned aircraft to safely fly in civil airspace, but there's still a great deal of work to be done," said David Vos, Senior Director, UAS and Control Technologies for Rockwell Collins. "The new eBook focuses on the need to create awareness of the important role that unmanned aerial vehicles are playing in today's society." Topics covered include: New programmes and technology tests underway that demonstrate the solutions available today to enhance UAS reliability; a detailed review of technologies being developed to improve UAS safety and reliability; and opinions from industry experts.

The e-Book can be downloaded from <http://learnmore.rockwellcollins.com/CedarGraphics/LPR.asp?L=137>
#883.ATC16

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Juan Lema, President Director General of Aeropuertos Españoles y Navegación Aérea (AENA), the air navigation service provider of Spain, **has been elected as a member of the Executive Committee of CANSO,** the organization established in 1996 which represents the interests of the companies that provide air traffic control, with 112 members worldwide. Commenting on his election,



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Juan Lema said: "This is a great opportunity to work hand-in-hand with the Executive Cmmittee to deliver a strategy to steer the future of CANSO during these difficult times when the global financial crisis is impacting the aviation industry the most."

An aeronautical engineer and economist, Lema held several executive positions in private companies and Aena, where he became Director of Spanish Airports. #883.ATC17