

20<sup>th</sup> March 2008

## Thales to deploy Multilateration Air-Ground Surveillance system at Helsinki Vantaa Airport

Thales announced today the award of a contract from FINAVIA, the Finnish Air Traffic Service provider, for the delivery, installation and operational commissioning of its MAGS<sup>1</sup> transponder multilateration system at Helsinki Vantaa Airport. Thales was found superior to its competitors by FINAVIA's evaluation criteria including procurement cost, delivery time, operational and technical characteristics, maintenance and support offering and installation approach. The contract will be fully executed in 2008.

The MAGS surveillance system will provide high accuracy, high update rate surveillance for all transponder equipped aircraft operating in Helsinki-Vantaa's movement and apron areas. Helsinki-Vantaa airport is the main airport and international gateway in Finland. Altogether 12 million passengers pass through the airport annually. During rush hours an aircraft takes off or lands every 1.5 minute. The airport handles 600 flight operation per day and 150 000 per year.

"Thales has made a strategic investment in multilateration and ADS-B technology to reinforce our leadership position surveillance technology for air traffic management", stated Paul Kahn, Managing Director of Thales' Navigation and Airport Solutions Business Line. "This announcement further validates that customers want the market leading technology Thales offers and the reliability of working with the global ATM leader."

<sup>1</sup> Multilateration Air-Ground Surveillance

<sup>2</sup> ADS-B is an emerging technology that allows aircraft to periodically broadcast GPS position, altitude, speed and identity information. The broadcast information may be received and processed by other aircraft or ground stations for use in improved situational awareness, conflict avoidance and airspace management.

<sup>3</sup> TIS-B is an augmentation to ADS-B that facilitates transition from traditional radar surveillance to ADS-B by broadcasting traffic information for non-ADS-B aircraft to ADS-B aircraft enabling on-board safety and efficiency applications.

### Editor's notes:

The Thales MAGS system is part of the flexible Thales multilateration and ADS-B <sup>2</sup> product family. This product family consists of modular building blocks configurable to support many applications and technical architectures. Thales has deployed configurations that support ADS-B Out, TIS-B <sup>3</sup>, Advanced Surface Movement Guidance and Control System (A-SMGCS) and Wide Area Multilateration for air surveillance. Thales offers configurations that provide redundancy for high availability, multiple transmit and receive channels to combat radio frequency spectrum interference and multiple data link technologies to support regional preferences.

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# THALES

Thales is a world leader in Multilateration and ADS-B systems with orders and installations in Australia (nationwide coverage), Cyprus, France, Germany, Greece, Iceland, Italy, Kazakhstan, the Netherlands, Portugal, South Korea, Spain and the United States (nationwide coverage).

## About Thales

Thales is a leading international electronics and systems group, addressing defense, aerospace and security markets worldwide. Thales's leading-edge technology is supported by 22,000 R&D engineers who offer an unmatched capability to develop and deploy field-proven mission-critical information systems. To this end, the group's civil and military businesses develop in parallel and share a common base of technologies to serve a single objective: the security of people, property and nations. The group builds its growth on its unique multi-domestic strategy based on trusted partnerships with national customers and market players, while leveraging its global expertise to support local technology and industrial development. Thales employs 68,000 people in 50 countries with forecast 2007 revenues in excess of \$ 12 billion.

Information about Thales can be found at <http://www.thalesgroup.com/airsystems>

## About Finavia

Ilmailulaitos Finavia provides its customers with safe and internationally competitive airport and air navigation services. Finavia maintains and develops the Finnish airport network and air navigation services. The network consists of 25 airports, of which 18 are civilian airports, four are joint military and civilian airports and three are military airports.

Information about Finavia can be found at <http://www.finavia.fi> or <http://www.helsinki.fi>.

## Press contacts:

Laurence Luyckx-Hamalainen  
Tel. +33 1 79 61 56 46  
[laurence.luyckx@thalesgroup.com](mailto:laurence.luyckx@thalesgroup.com)

Christophe Robin  
Tel. +33 1 57 77 87 32  
[christophe.robin@thalesgroup.com](mailto:christophe.robin@thalesgroup.com)

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