

PRESS RELEASE – February 2010

EASA awards contract for Mode S study to consortium led by Funkwerk Avionics

The European Aviation Safety Agency (EASA) has awarded to Funkwerk Avionics GmbH the contract to manage the project "Mode S Transponders in High-Density Operational Environments" (MOSTDONT). Project partner to Funkwerk Avionics is FCS Flight Calibration Services GmbH, Braunschweig. The Institute of Flight Guidance (IFF) of the Technical University Braunschweig is a subcontractor to Funkwerk Avionics.

The MOSTDONT project aims at investigating various aspects of Mode S transponder detection for aircraft in high-density environments with a special focus on General Aviation. The main focus is to measure and analyse the real-world 1030 MHz interrogation signals in flight and to propose improvements of current certification standards based on those findings.

While FCS will have the scientific lead and be responsible for conducting and analysing the measurement flights, Funkwerk Avionics as a leading European manufacturer of Mode S transponders will focus on necessary changes to certification test specifications. The IFF will investigate interference problems in the interrogation signals, based on recordings of existing Mode S monitoring stations.

Additional aspects to be addressed are the impacts of single-antenna installations and the characteristics of radar side lobe suppression signals.

The MOSTDONT project was started on February 1st, 2010, and has a duration of 7 months.

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Funkwerk Avionics is based in Waal (Bavaria) and Ulm (Baden-Württemberg). Funkwerk Avionics is an EASA approved production and maintenance organisation for aircraft equipment (EASA Part 21G and 145). We develop, produce and sell avionics equipment and avionics system solutions in the areas of communication, navigation and displays. The company offers the “Filser“ product lines of TRT Mode-S transponders and ATR VHF voice radios for general aviation. The products are sold to aircraft manufacturers and via a comprehensive dealer network all over Europe. Funkwerk Avionics also develops avionics equipment and system solutions for major OEM companies such as Airbus Deutschland, EADS Deutschland and public agencies such as Eurocontrol or the European Space Agency (ESA).

Based in Köllda near Erfurt, **Funkwerk AG** develops, produces and markets professional communication systems used in vehicles, transport and other companies and institutions. With its three segments Traffic & Control Communication (professional communication and information systems for transport and industry), Automotive Communication (communication equipment for vehicles) and Enterprise Communication (messaging systems and network solutions for companies and institutions), Funkwerk occupies a strategically excellent position in future markets. With over 1,700 employees, Funkwerk generates sales of some 290 mill. Euro.

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