



News Release

2 September 2009

Cobham Avionics
Integrated Systems
One S-TEC Way
Mineral Wells, TX 76067

Cobham Synthetic Vision System Approved for Cessna 550

MINERAL WELLS, Texas - Cobham's synthetic vision system glass cockpit has been granted a supplemental type certificate (STC) for the Cessna 550. The installation represents the business unit's first STC for synthetic vision on a transport-category aircraft (Federal Aviation Administration Regulations Part-25).

Cobham developed the world's first, civil-certified synthetic vision system in 2002, gaining regulatory approval for use in light airplanes and helicopters as part of the FAA Capstone programme in Alaska. Since that time, Cobham's portfolio of FAA and European certifications has increased to more than 750 types of helicopter and fixed wing aircraft, including prior approvals on the single-pilot Citation 501 and 551 (Part-23).

"Approval of this revolutionary system for transport-category aircraft brings tremendous capability to older, analog-equipped aircraft," said Mike Sheehan, Vice President of Cobham Avionics. "With the recent STC for the Bell 412, Cobham now has the only synthetic vision system certified in all four regulatory classes of aircraft: large and small airplanes, and large and small helicopters."

The 550 STC (#ST09694AC) is configured with dual synthetic vision primary flight displays (PFD) and dual multi-function displays (MFD), each with embedded Class-A terrain awareness and warning system (TAWS), integral flight management system (FMS), and digital flight recording. Additional features include dual fiber-optic attitude gyros and dual GPS-WAAS. The system uses the aircraft's existing RVSM air data computers.

The system provides sensor comparators and cross-side sensor switching, and interfaces with the original autopilot to give it full roll-steering capability to fly all instrument procedures hands-off, including procedure turns, holding patterns and entries, DME arcs, and missed approaches, dramatically reducing pilot workload.

Additional capabilities include TCAS-I, TCAS-II, and ADS-B display, datalink weather, both single- and dual-cue flight directors, highway-in-the-sky (HITS) predictive flight director, conformal runway depiction, dual DME display, and Stormscope display.

Installation of the compact, lightweight system typically results in a 100lbs weight-saving that allows a commensurate saving in fuel or increases the useful load that can be carried.

About Cobham:

Cobham's products and services have been at the heart of sophisticated military and civil systems for more than 70 years, keeping people safe, improving communications, and

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enhancing the capability of land, sea, air and space platforms. The Company has four divisions employing more than 12,000 people on five continents, with customers and partners in over 100 countries and annual revenue of more than £1.4bn / US\$2.1 billion.

Cobham Avionics provides integrated, end to end avionics solutions for fixed-wing and rotorcraft markets covering general aviation, special mission, military training, business and commuter, airline transport fixed-wing and rotorcraft markets. Leveraging a global presence, both FAA and EASA certifications, a broad technology base, and existing original equipment manufacturer positions with Agusta, Airbus, Bell, Boeing, Bombardier, Dassault, Eurocopter and Raytheon, Cobham Avionics offers high value solutions for virtually any avionics application.

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