

# ESTERLINE SUCCESSFULLY COMPLETES TESTING OF THEIR CMA-5024 GLSSU ON THE B737NG AIRCRAFT FAMILY

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Esterline Avionics Systems is pleased to announce the successful completion of ground tests and flight tests of their Satellite-based Augmentation Systems (SBAS)-capable CMA-5024 GPS/SBAS Landing System Sensor Unit (GLSSU) on B737NG aircraft with the goal of obtaining a supplemental type certificate (STC) for Automatic Dependent Surveillance – Broadcast (ADS-B) out and SBAS/GPS Navigation. With all testing completed on a Boeing B737-700 aircraft, the STC is anticipated for Q4 2018 for all B737NG aircraft types (-700/-800/-900). The option for Localizer Performance with Vertical Guidance (LPV) approach capability will be available as well.

The CMA-5024 is an approved DO-260B ADS-B positioning source that may be paired with any DO-260B transponder. In addition to achieving compliance to the ADS-B mandate, the CMA-5024 also allows the B737NG aircraft to take advantage of SBAS navigation throughout all phases of flight, with optional LPV approach capability.

An LPV approach is the highest precision GPS instrument approach available which does not require specialized crew training. It provides airlines with a safe approach into airports when Instrument Landing System (ILS) is unavailable.

The CMA-5024 meets the requirements for an Instrument Flight Rules, civil certified Global Navigation Satellite System (GNSS). The European Geostationary Navigation Overlay Service (EGNOS), a component of SBAS, augments GPS to provide an extremely accurate navigation solution that will support all flight operations from en route through LPV Guidance CAT-I equivalent approach. The CMA-5024 is compliant with and completely supports EGNOS/SBAS, from departure, en-route navigation, and all EGNOS/SBAS LPV Precision Approaches, and complies with published Communication Navigation Surveillance/Air Traffic Management (CNS/ATM) navigational mandates.

Future growth to Ground-Based Augmentation System Landing System (GBAS GLS) precision approach capability may be obtained by upgrading to Esterline's new CMA-6024 GPS/SBAS/GBAS Receiver System.

### **About Esterline Avionics Systems**

Esterline Avionics Systems ([www.esterline.com/avionicssystems](http://www.esterline.com/avionicssystems)) has achieved an international reputation for innovation and excellence in the design and manufacture of advanced displays and CMC Electronics brand products for the military and commercial aviation markets. The company's focus is on delivering innovative cockpit systems integration, avionics and display solutions to its customers worldwide.

### **About Esterline Corporation**

Esterline Corporation is a leading worldwide supplier to the aerospace and defense industry specializing in three core areas: Advanced Materials; Avionics & Controls; and Sensors & Systems. With annual sales of approximately \$2 billion, Esterline employs roughly 13,000 people worldwide.

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