



GARMIN® ANNOUNCES AVAILABILITY OF THE GPS 3000, ENABLING ADS-B AND WAAS/SBAS OPERATIONAL CAPABILITY

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Garmin International, Inc. announced the availability of the GPS 3000, a high-integrity GPS position sensor that seamlessly interfaces to existing avionics to help meet Automatic Dependent Surveillance-Broadcast (ADS-B) Out requirements. Also, targeting the air transport and defense markets, the GPS 3000 is designed as a WAAS/SBAS position source for select Flight Management Systems (FMS). Aircraft that are eligible to utilize the GPS 3000 as an ADS-B position source include the Embraer E135/E145 and the Legacy 600/650. Supplemental Type Certification (STC) for the GPS 3000 in these aircraft is currently available from FTI Engineering, in cooperation with Atlas Air Service in Germany, and can be installed throughout the entire Garmin dealer network.

“Garmin continues to lead the industry with the most fielded ADS-B solutions that span all segments of aviation, including a wide-range of commercial, defense, regional and business aircraft,” said Carl Wolf, vice president of aviation sales and marketing. “We are thrilled to provide these aircraft with a solution that is cost-effective and is an easy to install alternative to the existing avionics manufacturer’s service bulletin.”

A rugged, standalone and certified Wide Area Augmentation System (WAAS)/Satellite-Based Augmentation System (SBAS) GPS, the GPS 3000 meets DO-160 and DO-178B standards and is designed specifically for the harsh environmental conditions encountered by commercial aircraft. This compact and remote-mount solution utilizes enhanced WAAS/SBAS GPS satellite signals to provide precise position data through a standard interface. It also meets applicable high-integrity ADS-B position source standards, including TSO-C145d Class 3.

The GPS 3000 is also designed to interface with select FMS to support GPS guidance throughout terminal, enroute and approach navigation¹. When configured appropriately, the GPS 3000 is capable of providing position information to an existing FMS to meet requirements for Required Navigation Performance (RNP) and can support GPS-based vertical approach navigation, such as Localizer Performance with Vertical (LPV) approach guidance.

European Aviation Safety Agency (EASA) STC of the GPS 3000 in the Embraer E135/E145 and Legacy 600/650 is available from FTI Engineering, in cooperation with Atlas Air Service, as well as Garmin dealers. FAA validation of the STC is pending. For additional information regarding the most comprehensive suite of ADS-B solutions for commercial, defense, regional and business aircraft, visit www.garmin.com/BusinessADSB or contact businessADSB@garmin.com.

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