



Trimble's New Military Products Offer GATM Capabilities

ORLANDO, Fla., March 9, 2004 -- Trimble (NASDAQ: TRMB) introduced today two new Global Positioning System (GPS) receivers for military airborne applications, which offer capabilities in compliance with Global Air Traffic Management (GATM) requirements.

Trimble's Selective Availability Anti-Spoofing Module (SAASM) based [Force™ 5 GS](#) and [Airborne SAASM Receiver \(ASR\)](#) provide aircraft integrators and OEMs the ability to meet the Department of Defense's (DOD) stringent Navigation Warfare (NAVWAR) and GATM requirements with a single GPS receiver module.

The announcement was made at the 2004 GATM Users Conference.

The Force 5 GS and ASR were both designed, tested and documented to enable aircraft host navigation systems to be certified to the standards defined by the Federal Aviation Administration's (FAA) TSO-C129a and DOD's new MSO-C129a for military aircraft. Both receivers support the capability for aircraft operation in the national airspace system (NAS). These features include all-in-view tracking, Fault Detection and Exclusion (FDE) and step detector in accordance with RTCA/DO-229B, predictive RAIM to support FAA Notice 8110.60 operations, and B-RNAV performance for European operations. When operated in the PPS mode, Trimble's receivers provide NAVWAR features including anti-spoofing and high anti-jamming protection as well as integration with Controlled Reception Pattern Antennas (CRPA).

Trimble's Force 5 GS is a SAASM-based embedded, dual-frequency GPS receiver module compliant with the NAVSTAR GPS Joint Program Office (GPS JPO) MAGR 2000 GRAM SAASM requirements. The Force 5 GS provides unequalled performance for airborne and high dynamics applications like its predecessor, the Force 5.

Trimble's ASR is also a SAASM-based embedded, dual-frequency GPS receiver module, which is an integral part of Trimble's recently certified TA-12S (FAA TSO-C129a Class B1/C1) airborne receiver. The ASR, with a slightly smaller form factor than the Force 5 GS, provides the same high level of performance required for airborne and high dynamics applications. The ASR and Force 5 GS share new and modern receiver architecture along with a common core software.

Both the Force 5 GS and ASR are in production and are available today.

About Trimble

Trimble is a leading innovator of Global Positioning System (GPS) technology. In addition to providing advanced GPS components, Trimble augments GPS with other positioning technologies as well as wireless communications and software to create complete customer solutions. Trimble's worldwide presence and unique capabilities position the Company for growth in emerging applications including surveying, automobile navigation, machine guidance, asset tracking, wireless platforms, and telecommunications infrastructure. Founded in 1978 and headquartered in Sunnyvale, Calif., Trimble has more than 2,000 employees in more than 20 countries worldwide.

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