Trimble Introduces New AgGPS 442 GNSS Receiver With GLONASS and GPS L2C Satellite Signal Capabilities for Agriculture Applications

SUNNYVALE, Calif., Feb 12, 2007 /PRNewswire-FirstCall via COMTEX News Network/ -- Trimble (Nasdaq: TRMB) introduced today a Global Navigation Satellite System (GNSS) receiver for agricultural users -- the AgGPS(R) 442 GNSS receiver. The new receiver can track GLONASS and next-generation Global Positioning System (GPS) L2C satellite signals. With more satellite signals to access, the AgGPS 442 GNSS receiver improves the farmer's ability to work in tough GPS environments with faster initialization times, and provides for increased productivity and reduced downtime in the field.

The AgGPS 442 GNSS receiver will be showcased at the World Ag Exposition in Tulare, California.

The new GLONASS and GPS L2C processing capability from Trimble improves signal availability for high accuracy real-time kinematic (RTK) agricultural applications that rely heavily on "Z," or vertical axis satellite positioning data. It also aids RTK applications in difficult satellite scenarios such as geographic areas with limited periods of GPS signal availability. Agricultural applications that can benefit from the combined satellite signal capability include land leveling, automated guidance, and data collection for topographic mapping.

"Trimble is committed to the development of easy-to-use positioning solutions for agriculture applications," said Erik Arvesen, general manager of Trimble's Agriculture Division, "The new receiver further simplifies positioning by taking advantage of the GLONASS and next-generation GPS L2C signals to provide more reliable and robust positioning in a broad range of environments."

The Trimble AgGPS 442 is an integrated GNSS receiver and radio that support GLONASS, GPS L1/L2, RTK GPS and next-generation GPS L2C signals. The new receiver simply connects to the Trimble AgGPS Zephyr(TM) II antenna mounted on the roof of the agricultural vehicle or implement to provide position data to: the AgGPS FieldManager(TM) Display for topographic mapping, the AgGPS FieldLevel System and AgGPS 170 Field Computer for land leveling, and the AgGPS Autopilot(TM) System for automated guidance.

The AgGPS 442 GNSS receiver is available now from Trimble resellers. For more information, including the location of your nearest Trimble reseller, call 1-800-865-7438 or visit www.trimble.com .

About GNSS, GLONASS and GPS L2C

GNSS refers collectively to the worldwide positioning, navigation, and timing determination capabilities available from one or more satellite constellations. These constellations include but are not limited to the U.S. NAVSTAR GPS, Russian Federation's GLONASS, European Union's Galileo and complementary regional augmentation systems such as the U.S. WAAS and European EGNOS.

GLONASS is a satellite navigation system under modernization by Russia that provides free positioning; generally between one and four GLONASS satellites are in view in addition to GPS satellites. GPS refers to the U.S. NAVSTAR GPS. In late 2006, the U.S. added the second in a series of next-generation GPS satellites to the NAVSTAR constellation. These new satellites include an additional modernized civilian GPS signal, L2C, for more robust signal tracking. GNSS is an acronym used to designate receivers that support signals from multiple sources such as GPS, GLONASS, GPS Modernization (L2C) and RTK.

About Trimble

Trimble applies technology to make field and mobile workers in businesses and government significantly more productive. Solutions are focused on applications requiring position or location-including surveying, construction, agriculture, fleet and asset management, public safety and mapping. In addition to utilizing positioning technologies, such as GPS, lasers and optics, Trimble solutions may include software content specific to the needs of the user. Wireless technologies are utilized to deliver the solution to the user and to ensure a tight coupling of the field and the back office. Founded in 1978 and headquartered in Sunnyvale, Calif., Trimble has a worldwide presence with more than 2,800 employees in over 18 countries.

For more information, visit: www.trimble.com .

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