VRS3Net for Real Time GNSS Networks

Trimble VRS3NET provides users with a suite of tools for creating and managing a VRS network that is designed to support current and future Global Navigation Satellite System (GNSS) constellations. The announcement was made at the 2009 Trimble Dimensions User Conference.

Trimble VRS networks enable precise, real-time GNSS positioning through the distribution of correction data. They provide a reliable and cost-effective means for surveyors and other geospatial professionals to work faster and achieve accurate GNSS results for a variety of positioning applications including geodetic and cadastral surveying, road and bridge construction, mapping, agriculture, earthquake and tectonic plate movement monitoring, and scientific research, as well as other high-accuracy positioning applications. VRS networks are today considered an integral tool for providing fast, high precision, wide area positioning in countries around the world.

Trimble VRS3NET software is based on Microsoft .NET architecture and Microsoft SQL server. This advanced architecture provides the technical flexibility and scalability needed to accommodate future GNSS and Satellite-based Augmentation Systems (SBAS), operating systems, and the addition of evolving IT hardware. Trimble VRS3NET software runs autonomously on a network, yet is highly secure and features an intuitive user interface.

The software also provides network operators with advanced Web application tools such as billing and accounting modules that allow them to easily automate a variety of commercial tasks. VRS3NET software includes tools through the use of Google Maps technology. Operators can now monitor and query in real time the status of all Continuous Operating Reference Station (CORS) components in the network, as well as monitor rovers that are logged into the network to know the locations of their crews.

Trimble VRS³NET software offers system operators the tools needed to install, monitor, maintain and expand a precise positioning network. It is expected to be available in April 2009.

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