

# Updated Suite of Mapping and GIS Software

Trimble has updated its entire portfolio of Mapping & GIS field and office software products. These enhancements focus on improved Global Navigation Satellite System (GNSS) accuracy for data collection under a variety of conditions. A new postprocessing engine enhanced Trimble's GNSS postprocessing tools, improving accuracy and consistency of data collected from all Trimble Mapping & GIS equipment, even in multipath and canopy environments.

A key addition to the set of tools is Trimble DeltaPhase™ technology, a new technique for improving the accuracy of GNSS code measurements.

With Trimble DeltaPhase technology, results from receivers such as the GeoXT handheld and GPS Pathfinder ProXT show 50cm accuracy in good environments and improved yield under canopy and in multipath prone areas. Results are also improved for the Juno series handhelds with postprocessed accuracy now in the 1 to 3 metre range.

For H-Star technology receivers such as the GeoXH handheld and GPS Pathfinder ProXH, the new postprocessing engine uses the latest high-precision GNSS technologies to achieve decimeter (10 centimetre) horizontal and vertical accuracy with greater consistency at longer baselines, in tougher environments, and with shorter occupations.

Another key enhancement is the improvement of productivity through higher position yield-the proportion of quality GNSS positions that can be recorded in a given environment-both before and after postprocessing. By leveraging a more sophisticated data collection engine, satellite masks can be adjusted to allow more signals to contribute to the overall solution. When working in moderate canopy environments yield improvements are expected to be approximately 20% and higher.

The new software updates also provide support for GLONASS data collection. GLONASS measurements can now be logged with the GPS Pathfinder ProXRT receiver with the GLONASS option enabled, and GLONASS postprocessing is supported directly in Trimble Mapping & GIS office software.

Software updates now available for download by eligible customers include TerraSync™ and GPS Pathfinder Office software, Trimble GPSCorrect™ and GPS Analyst™ extensions, and the GPS Pathfinder Software Development Kit (SDK). See [www.trimble.com/mgis\\_software](http://www.trimble.com/mgis_software) for more information including a white paper containing sample results, FAQs, and revised product specifications.