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Announcing Updated Mapping & GIS Software with New Postprocessing Engine

Trimble has released important updates to 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 which deliver significant benefits to users of Trimble Mapping & GIS solutions. With the introduction of a new postprocessing engine, Trimble has further enhanced its powerful set of 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 revolutionary 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™ receiver show 50 centimeter accuracy in good environments and improved yield under canopy and in multipath prone areas. Results are also significantly improved for the Juno™ series handhelds with postprocessed accuracy now in the 1 to 3 meter range.

For H-Star™ technology receivers such as the GeoXH™ handheld and GPS Pathfinder ProXH™ receiver, the new postprocessing engine uses the latest high precision GNSS technologies to achieve decimeter (10 centimeter) 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 is expected to be approximately 20 percent and higher—the tougher the conditions, the more the new software will help.

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).

You will find on www.trimble.com/mgis_software a wealth of information covering the enhancements to, and features of the new field and office software, including the following:

- A new white paper with in depth analysis and sample results entitled [Trimble Mapping & GIS Products: New Postprocessing Engine](#)
- Updated [web pages](#) and [datasheets](#) for current software and hardware products
- Updated [FAQs](#) for current software and hardware products
- Updated [product comparison](#)
- [And more...](#)

For further information, please contact your local [Trimble Reseller](#).