

RELEASE NOTES

Trimble® Positions™ Mobile Project Center Extension

These release notes provide important information about the Trimble® Positions™ Mobile Project Center extension version 10.2.0.3. Please read these release notes carefully.

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Introduction

Welcome to version 10.2.0.3 of the Trimble® Positions™ Mobile Project Center extension. The Trimble Positions software suite adds support for Trimble high-accuracy GNSS receivers using Esri ArcGIS for Windows Mobile technology.

The Trimble Positions Mobile Project Center extension is an extension for the Esri ArcGIS Mobile Project Center application version 10.2. The Trimble Positions Mobile Project Center extension is used to set up the required high-accuracy projects.

The Trimble Positions Mobile Project Center extension is a part of the Trimble Positions Mobile extension product, and is installed from within the Trimble Positions Mobile extension installer.

For detailed information on installing, configuring, and using the Trimble Positions Mobile Project Center extension, see the *Trimble Positions Mobile Project Center Extension Administrator's Guide* and the *Trimble Positions Mobile Project Center Extension User Guide*.

New in this release

This section describes what's new in the Trimble Positions Mobile Project Center extension version 10.2.0.3:

- **Support for RTX field configurations.** Field configurations can now be used to support the forthcoming Trimble RTX™ technology support in the Trimble Geo7X handheld firmware. There is minimal configuration for this type of field configuration.
- **Additional metadata transfer field.** Vertical Estimated Accuracy has been added as a third piece of metadata that can be transferred in the field and in the office.
- **Improved use of TrimbleSessions for transferring binary GNSS session and construction data.** Geodatabases and map documents that are GNSS-enabled using version 10.3.0.1 of the Trimble Positions Desktop add-in will use a slightly different schema for the TrimbleSessions feature class and layer (except when using ArcGIS for Desktop Basic). This new schema supports the storage of both GNSS measurements AND feature constructions as attachments and will not store any binary data in the feature class itself. This means that a TrimbleSessions feature (in the new schema) will have at least 2 attachments when it is harvested. There is also a configuration (file) option for splitting long GNSS sessions into multiple attachments; this will be covered in a blog post.

New in previous releases

This section describes what was new in earlier versions of the Trimble Positions Mobile Project Center extension.

Version 10.2.0.2

- **Support for precise feature heights.** This version adds support for antenna height and type for ArcGIS for Windows Mobile workflows (real-time and postprocessed) for the purpose of collecting high-accuracy feature heights. Mobile Project Center users can specify how Height Above Ellipsoid values are converted to Mean Sea Level elevations (or not) using a fixed geoid separation or calculated from a GGF file downloaded from the Trimble website (and deployed manually to the field device). Accordingly, the metadata value formerly known as *Height Above Ellipsoid* is now named *Feature Height*.
- **Support for ArcGIS Online hosted feature services (real-time only).** Previous versions of Trimble Positions Mobile Project Center extension did not allow the user to include hosted feature services from ArcGIS Online in high-accuracy enabled mobile projects. This restriction has now been removed for projects that use a real-time only workflow.

Version 10.2.0.1

- **Esri ArcGIS 10.2 support.** The Trimble Positions Mobile Project Center extension now supports Esri ArcGIS for Windows Mobile 10.2.0. The mobile cache synchronization geoprocessing (GP) tools can be used with either Esri ArcGIS for Desktop 10.1 or 10.2.
- **Trimble GeoExplorer® Geo 7 series and the Geo 7 rangefinder module support.**
 - The Geo 7 series' orientation sensors are used to rotate the Skyplot, and to show the current heading in the Navigation section, even when stationary.
 - The Geo 7 rangefinder module, together with the orientation sensors, can be used to collect position offsets and record attribute information for distance and angle measurements.

- **Real-time only workflow.** This release introduces the concept of ‘workflow type’ and you can select between *Real-Time Corrections + Postprocessing* (previously the only option) and *Real-Time Corrections Only*. In this new workflow type, sessions are not created, metadata is populated in the field, and some out-of-box functionality in the mobile application (copy feature, new feature at same location) is restored.
- **Improved useability.** Included in this release are several enhancements designed to improve general usability of the product. These include sortable lists (layers and field configurations) and bulk accuracy threshold setting (Ctrl+click to select multiple items).
- **Improved diagnostics.** Additional information is now included in the log file to assist in troubleshooting.

Version 10.1.1.3

- **Localization.** In addition to the languages available at version 10.1.1.1, version 10.1.1.3 of the Trimble Positions Mobile Project Center extension is now also available in Japanese.
- **Development Team Blog.** The Trimble Positions Software Suite Development Team Blog is now available at <http://positionsblog.trimble.com>. Be sure to visit and sign-up to this blog. It was started by the Trimble Positions product development team as a way to better communicate directly with dealers and customers. Please check back frequently for new content.

Version 10.1.1.1

- **Localization.** Version 10.1.1.1 of the Trimble Positions Mobile Project Center extension is now available in French, German, Spanish (South American), and Portuguese (Brazilian) languages.

Installation and configuration

- **In this release, the schema for the Trimble Positions database has changed.** To upgrade your schema, run the Trimble Positions Desktop Configuration tool and click *Test current configuration*. All existing data and settings will be preserved. This must be done prior to running the Trimble Positions Mobile Project Center extension version 10.2.0.3 and cannot be undone without support from Trimble.
It is highly recommended to make a backup of your existing database should you need to revert back to an earlier version of the Trimble Positions Mobile Project Center extension..
- Trimble Positions Mobile Project Center extension version 10.2.0.3 is required for full support of the Trimble Positions Mobile extension version 10.2.0.3.
- Trimble Positions Mobile Project Center extension version 10.2.0.3 requires Esri ArcGIS for Windows Mobile 10.2. You must install the Esri software before installing the Trimble software.
- If you have installed an earlier version of the Trimble Positions Mobile Project Center extension on your system, uninstall it completely before installing the new version.
- The settings folders where the configuration files and Jet databases are stored have not changed in this release. They continue to use the *10.1* name in the folder tree.

Technical assistance and documentation

If you have problems using the Trimble Positions Mobile Project Center extension, the following documentation should be your first point of reference:

- The Trimble Positions Mobile Project Center Extension Administrator's Guide.
- The Trimble Positions Mobile Project Center Extension User Guide.

If you still cannot find a solution to the problem, contact your Trimble reseller.

Legal notices

Trimble Navigation Limited
10368 Westmoor Drive
Westminster
CO 80021
USA

www.trimble.com

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Release Notice

This is the November 2014 release (Revision A) of the *Trimble Positions Mobile Project Center extension Release Notes*. It applies to version 10.2.0.3 of the Trimble Positions Mobile Project Center extension. For a complete list of all relevant legal notices regarding this product, refer to the Trimble Positions Mobile Project Center extension End User License Agreement.