

Read Me

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Trimble® Business Center – Version 5.40

Note: Cumulative patch release 5.40.1 is covered later in this document.

Due to translation deadlines, the following note and new feature descriptions were not included in non-English versions of the *Trimble Business Center Release Notes v5.40*:

Important Note! This version of TBC is available to users whose current warranty expiration date is December 1, 2020 or later. If your warranty expires prior to this date and you proceed with the installation, licensed features will not be available. Contact your distributor to purchase a warranty extension. In the TBC ribbon, select Support > License Manager to verify your warranty expiration date.

- **Set a duplicate point tolerance for imported surface data** - Specify whether points in the same relative location are duplicates based on the horizontal distance between them. Using this tolerance, duplicate points in some imported file formats are retained or removed in the resulting surfaces. This applies only to internal data in imported TTM, LandXML, and other types of "fixed" surfaces, which can affect how surface triangles are formed. Set this tolerance in Project Settings > Computations > Surface > Surface Creation Defaults.
- **Import Leica level data with second backsights and foresights** - The TBC custom importer now supports the import of Leica level data that includes second backsights and foresights—for example, BBFF or BFFB format. The importer still supports the BF format as well. (Note that when importing a BBFF- or BFFB-formatted file containing multiple level runs, you must set the RunStart field code to 2 for BFFB or 6 for BBFF in the Import Format Editor, as shown in the Run Start/End section of the Import Preview pane. You must set the field code back to 1 to import a multi-run BF-formatted file. See the TBC Help for additional information.)
- **ECEF in LAS/LAZ export** – You can export an LAS/LAZ file in ground-based scaling that includes the project's ECEF coordinate system information by selecting the new ECEF export option when exporting the file.
- **e57 Structured exporter** – The new e57 Structured exporter enables you to export e57 files containing gridded/structured clouds. Additional export settings include resolution density, resolution, and distance filtering.
- **Edit single run registration in Mobile Mapping** - A run, once registered, has two trajectory versions: the imported version and the adjusted version. This new feature lets you improve the trajectory of the registered run by editing the imported trajectory as often as required. Editing consists of:
 - Modifying the registration type used
 - Changing the optimization option(s) for the ground control points (GCPs)
 - Adding new GCPs to pair on top of the previous ones
 - Changing the paired targets to new picked ones
 - Deleting the previous GCPs, and importing new ones

The result of each edition is a new adjusted trajectory based on the imported one.

Cumulative patch update:

Trimble Business Center – Version 5.40.1

This patch fixes the following issues:

- Mobile Mapping –
 - When attempting to run a registration on a run for which the scan data was missing or deleted, TBC displayed an error message but did not disable the Register a Run command.
 - The Register a Run command could take the wrong trajectory into consideration.
 - The Register a Run command and Batch Register Run to Run command might not have registered a run for which the day was rolled over.
- VAL geometry was in the wrong place in Sheet View.
- Importing RXL files could cause an error.
- Text white out was ignored if a dynaview boundary crossed it.
- The wrong metric depth units was displayed in the header of the Earthwork Summary Report.
- Running the New 3D Drive View command could cause an error.
- Clicking the second-column header in the Filter Station Scan Points command could cause an error.
- The scroll bar for WorksManager could disappear when selecting a project and/or organization.
- Running the Create Quick Profile command to generate a cross-section could cause an error.
- Exporting E57 (.e57) structured files could fail.
- Pipes could display incorrectly in 3D View.
- The Bearing Distance command included an unnecessary extra step.
- The term “Monitoring” in labels is miss-translated in Chinese.
- Plotboxes did not print even with the "Visible on paper" option set to “true”.
- An error could occur when importing SX10 data, “undoing” the import, and then reimporting the data.
- When a grip was moved to an endpoint, it sometimes didn’t snap as it should.
- Some projects created in earlier versions of TBC could not be opened in TBC v5.40.