GEOPRO FIELD

V5.1 Release Notes
January 16, 2024

GeoPro Field V5.1 Release Notes - Introduction

Please take time to read these Release Notes. They contain information about the following:

    New Features

    Improvements

    Bug fixes

NOTE:

It is always recommended, before upgrading your field software, user's backup their original job; and following any update to your field software, users perform in-the-field checks to ensure data integrity

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GeoPro Field V5.1 Release Notes

The following new additions/revisions have been made to GeoPro Field V5.1.

Please take time to read the release notes.   They contain information about the following:

- New Features
- Feature Enhancements
- Issue Resolutions

General Improvements

Coordinate Systems
- Updated the Portugal Coordinate Systems to the 2023 revision
- Updated the Vietnam projection and datum parameters VN-2000.
- Added Mexico GGM10 Geoid.

Other Improvements
- Significantly improved the Import and loading time of Autodesk *.dwg and *. dxf files.
- Improved AutoCAD *.dwg import to provide an option to skip hatches when importing a drawing to a job.
- Updated the default position of the GPS simulator in GeoPro Field.   The default position is now Livermore, Ca.
- Improved exporting point lists when using the Filter by name option in Exchange>To File> Point List.   The export now supports having point name with '-' in the name.
- Added support for the Mini 360 prism.
- Added support for RTCM SC135 protocol for the Topcon R2Lite UHF radio.
- Improved Drape Mode.   Next point selection is now available in the Stake Point navigation screen.
- Updated Camera support on the Topcon Fc6000 Field Controller.   The default camera is now the back camera.
- Added two additional menu configuration options (Survey and LN-150) to GeoPro Field.

Resolved Issues

- Addressed an issue in Exchange > To or From File.   In GeoPro Field V5, Exchange>Quick Codes> To or From File' would not write the Quick Codes to the file.
- Addressed an issue when reviewing level runs in GeoPro Field V5.0.   In V5.0, the user would have to be connected to the instrument to review previously completed level runs.   Users can now review the level runs in GeoPro Field without being connected to the instrument.

- Addressed an issue in applying the Grid Scale Factor in Backsight setup.   After the backsight was performed, the Grid Scale factor used was 1 instead of the correct scale factor for the projection.
- Addressed an issue in Point in Direction when entering data in the Forward/Backward data field. When the user entered point numbers in the 'Forward' option, the calculated distance result was incorrect.
- Addressed an issue when exporting Point Lists from GEOPRO Field. When exporting a point list to *.dwg or *.dxf formats, no points in the list were exported.
- Addressed a performance issue in Stake> Realtime Road.   GeoPro Field would respond slowly, and the data fields would not update.
- Addressed an issue when exporting from GeoPro Field.   When exporting job data as Autodesk *.dxf format, lines in the job were always placed on layer 0.
- Addressed an issue in GEOPRO Field Onboard.   When running the Spanish translation of GEOPRO Field on a Topcon OS total station, the text shown below an icon on the display would overlap.
- Addressed an issue with support of NTv2 files from the Bavarian State Surveying Office.   Not all files supplied would load correctly in GEOPRO Field.
- Addressed an issue in Stake > Line.   Selecting either 2D or 3D and Interpolate as the height method, the chainage displayed would always be the 3D distance along the line and not the selected 2D or 3D distance.
- Addressed an issue in Field Reports.   If the text entered in the map of the field report did not fit the map page, the text would be cut off.
- Addressed an issue in GEOPRO Field Exchange>To File.   When exporting data to Autodesk *.dwg or *.dxf using the filter options, no points were exported to the file.
- Addressed an issue when exporting to the StarNet (*.dat) format.   If the job contained Resection setups only, at times, the exported file would not contain the horizontal angles in the raw data file.
- Addressed an issue when exporting Job history from GEOPRO Field.   The *.txt format option would not export the job history.
- Addressed an issue when displaying point information on the Map.   If a line or area was measured and the multiple options were selected to display for the point(s), at times, not all options selected would display.

- Addressed an issue when importing roads with string sets.   The road centerline in the *.xml file would not import.
- Updated export to the *.plm format.
  - The resection backsight points would not export to the file.
  - Updated the export to include lines.
  - Updated the export to include the temperature and pressure data.