FieldGenius 2012 –6.0.5.10 Release Notes

April 5, 2013

Release Notes

If you are currently licensed to run any version of FieldGenius 2012 (V6.0.0. or higher) this upgrade is free of charge and will not require a new license key. For those upgrading from older versions please consult your dealer/distributor or MicroSurvey representative for details on purchasing your upgrade.

What's new in FieldGenius 2012 Version 6.0.5.10?

- **Shape file importer**. We have had many requests for this. Points and lines will be automatically added to the database upon import.
- Added the **Standard Windows file dialog**. This will make browsing on a Windows tablet computer much easier.
- We change the **Backsight** method to default to **Backsight Point** instead of Backsight direction. We were told that no one backsights a direction anymore and we listened.
- The **default backsight method** is now **Set Zero**. We had many requests to change this from "Set to Direction" so we responded.
- We added the **Add Raw File Note** button to the Survey Tools menu. This enables you to add notes to the raw file.
- Added support to import Hexagon's HeXML. HeXML is an extension of LandXML.
- We added a **height check** for when the **Check Backsight** routine is called. Hopefully this will catch height of instrument and height of target blunders.
- **Line Staking dialog improvements**. This dialog was confusing and there were settings within the dialog that didn't apply to specific buttons, and that was not obvious. So we separated the two methods of line staking to be **Point on Line Staking**, and just **Line Staking**. Line staking will put you online. Point on Line staking will take you to a specific point on the line such a chainage or station point.
- Changed the text of **GPS** (Global Position System) to the more inclusive **GNSS** (Global Navigation Satellite System).
- We added a program file and language file mismatch check. This will be more of a technical support aid but if you see a file mismatch error then you will need to reinstall the program. Usually these mismatches never occur unless files were copied and pasted into the wrong folders. A reinstall will fix everything.
- We have returned the **bearing recall and math operators**. You will be able to do some basic angle math within the angle fields and distance math with the distance fields. This request came from our online User Forum. Thank you to all who voted on this feature.
- We returned the use of **quadrant codes for bearing entry**. This was removed years ago and the complaints started coming. This request came from our online User Forum. Thank you to all who voted on this feature.

- A point with the **Survey Role of Control can now be edited**. But you must change the Survey Role first. Before, a control point was considered to be non-editable (set in stone). But what if you made a mistake and labelled the point "control" when it was just a junk point? Now you change the role to User Entered, and you can edit this point.
- We added the functionality that when a **QSB file** is loaded, the file actually stays loaded within the project. But there was no way to remove this QSB file (if loaded by mistake) so we added a **Remove button**.
- We added the word **About to the About screen**. I noticed that when I pressed on the **About** button, I was taken to a dialog that was not titled About.
- We added a Dll file version mismatch test. This will help resolve some support issues.

What's Fixed in FieldGenius 2012 Version 6.0.5.10?

- We fixed an issue with the **Stake Alignment** dialog. After staking an element in a cross section, the template would default you back to stake the center line every time. Now the correct next element is presented to stake out.
- Fixed an issue with the **FOIF OTS812L** total station where **no live angular information** was displayed in the Observation tool bar.
- Fixed another issue with the **FOIF OTS812L** total station where the entered backsight value was not the one the instrument used. This was a coordinated fix with FOIF as they had a firmware issue.
- Fixed a bug where **DTM settings** were being carried over to a new job.
- Fixed a bug where you would receive a warning message asking you if you wanted to **reuse the total station occupation point**. The issue was this occurred when you were connected to GPS.
- A help link was added to the **Check Point Measure Mode** dialog.
- Fixed a bug for when drawing a **parallel line to an arc** greater than the radius of the arc in question, the resulting parallel arc line on the other side of the radius point is "reversed" (convexed).
- The **Close Figure** button would open the **Finish Figure** dialog with text asking "Change Status to Finished". But **there is no Finished state**. The two states are either Inactive or Active. The dialog now reflects this.
- The **Use Previous Setup** prompt had stopped working, and is now fixed.
- Fixed a bug with the **GeoMax Z10/20** and connecting to an external radio at a **19200 baud** rate.
- Voice notes recorded on a Windows Mobile device now play properly on a Windows 7 desktop.
- **GeoMax** – Fixed antenna heights (APC -> ARP) being applied to the marks (**POE - point occupation end**) in the instrument's logged raw data.
- **NavCom**: Fixed an issue that had NMEA data streaming out of the rover's ports.

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- **NavCom**: Changed the SD card formatting from FAT32 to FAT16 per NavCom's request. With this change you will no longer be permitted to format 16gig memory cards.
- Fixed a bug related to having a **project set to Bearings**. Some **Direction** fields were being incorrectly treated as angles, and some **Angle** fields were incorrectly being treated as directions. Thanks to our beta testers for discovering this.

New Instrument Drivers

- **GeoMax Z25 GNSS** receiver.
- Added **GeoMax Zoom 35** total station.
- Added support for the **Long Range Bluetooth** handles on the **GeoMax Zoom80** robotic total station.

New or Improved coordinate systems and Geoid Models

- Added **EGM08 geoid models** for **Chile, Lebanon, Uganda, Kenya, Afghanistan, Pakistan, Indonesia,** and **Myanmar.**
- Added the **Wisconsin WISCRS 2006** coordinate systems.
- Hungary Grid Shift file has been corrected.
- Our Hungarian VITEL transformation has been certified by FÖMI
- Fixed the Japan grid shift file.
- Fixed a **CSRS** coordinate system issue related to RTK. To solve this issue, we added 21 new coordinate systems related to CSRS.

A special thank you goes out to all of our beta testers who took the time to report issues and bugs they discovered. Please keep your findings, ideas, and suggestions coming in. Your voice is very important to us and we do listen.