MicroSurvey Layout 2013 –1.0.6.6 Release Notes

July 29, 2013

Release Notes

If you are currently licensed to run any version of Layout 2013 (V1.0.0. 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 Layout 2012 Version 1.0.6.6?

New Features

- New **Auto-Location** routine for the **MEP** (Mechanical, Electrical, Plumbing) industry. This new routine was designed to assist you in **locating pipe and conduit locations on walls, floors, and ceilings**. Layout a pipe penetration point on one wall and this new routine will locate the position of the pipe on the opposite wall. Or maybe you want to layout ceiling hangers and have them hang exactly 8 inches below the ceiling's surface: no problem. This new routine is designed specifically to work with **Leica Geosystems 3D Disto** reflectorless measuring device, and/or their **iCON Robot 50 robotic total station**.

- **Target Manager**. We have added a Target manager so that you can now easily use **multiple** and very **different targets** in a survey. You can define what your backsight target and your foresight targets are. You can add as many of your own user-defined targets or use some of the predefined targets that come with this new Target Manager. We have also added a section on **Leica Geosystems** specific targets that includes their associated **Absolute** and **Leica constants**. This is the first stage of this implementation. More features are yet to come such as a setting for a prism search to ignore the backsight prism.

- Added **point scanning** support for the **Leica Nova MS50 Multistation**. Scan data can be imported straight into MicroSurvey Cad 2013 Ultimate and Studio as both now support MS50 scanning data.

- Added the **Quick Fix** measure mode to the **GeoMax Z25** GNSS driver.

- We added a "**Turn off Use Layout List Option**" check box in the **Layout Next Point** dialog. We did this to make it easier to turn off using the layout list as sometimes you don't want to use a list even though you have it enabled.

- Help pages updates.

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NavCom Specific Features Added
- Added **StarFire Rapid Recovery**
- Added a new **GLONASS RTK Bias dialog** to support **3ʳᵈ-party GLONASS RTK**
- Added the ability for the receiver to **automatically start logging GNSS data on start up**
- Added the **StarFire Over IP option to the Sensor Information dialog**. If you have this option then the field will report *Enabled*
- Added **Radio information** to the **Link Information** dialog

New Instrument Drivers Added
- Leica Nova MS50 Multistation
- FOIF RTS350 total station
- Leica iCON60 GNSS receiver
- Acnovo RX9 and BX9 GNSS receivers

What's Fixed in Layout 2013 Version 1.0.6.6?

- We removed the **tolerance** check when **staking to a surface**. There shouldn't be a tolerance check in this situation.
- Fixed a **slowness** issue in the **Leica TPS Series (GSI) driver**.
- Fixed an issue with how we were displaying **staking directions** when using a **South Azimuth**.
- Fixed a data entry issue with the **Offset Toolbar**.
- Fixed an issue where the **Kolida total station onboard desktop icon** was not persistent and would disappear after shutting down Layout.
- Fixed an issue when **exporting points** in an ASCII format using the **Portuguese** language file. No points were being exported.
- Fixed an issue with the **deltas** generated when exporting the **LM80 format** in the **Cut Sheet Report** generator.
- The **default file type** was removed when **exporting an ASCII file**. We now will default to a **text format with a .txt** file extension.
- Fixed a **prism searching** issue with the **Topcon** robotic driver, and added a more meaningful prism search error message when using a Topcon robot.
- Fixed an issue with the **Laser Plummet** when connected to a **Pentax W800** total station. The plummet would not turn on.
- Fixed a bug within the level dialog when connected to a **Pentax** total station. If the unit was **perfectly level**, Layout would display "**Invalid Level Data**".
- Fixed a bug where **quadrant codes** were not being applied in the **Traverse Toolbar**.
- Fixed an issue with **connecting to Leica TS15s**. A port number had changed.

- Fixed an issue where the **South total station onboard desktop icon was not persistent** and would disappear after shutting down Layout.
- Fixed a bug where there was no longer a **default file extension** provided when you are attempting to **export an ASCII file**. We now default to the **text (.txt) extension**. You can always override this setting if you want to use a different extension.
- Fixed a **device ID** issue with **South** total stations.
- Addressed an issue with **Altus** receivers where too much RTCM data was being transmitted via the **GNSS reference receiver radio**, and this was causing radio problems for Pacific Crest and Satel radios. If you selected RTCM 3, then you would see the transmit light stop flashing.
- And many other small fixes.

NavCom Instruments Related Fixes

- **Turned off all default messages** streamed across COM 1 and 2.
- Fixed an issue where **no PP record** was getting written to the **RAW** file when **Auto-Logging** is used.
- Fixed an issue where the **StarFire Satellite Number** field was not being populated.

New Coordinate Systems and Geoid Models

- Added 2 **Croatian** Coordinate systems: **HDKS Zones 5** and **6**.
- Posted the **HRG2009** and **TRST** geoid models for **Croatia**. The HRG2009 geoid model is based off of the HTRS datum, and the TRST model is based off of the older HDKS datum.
- Added the **SLD99** coordinate system for **Sri Lanka**. You can find this in the Asian Systems group.
- Added 2 coordinate systems for **Costa Rica: Norte and Sur**.