NEW FEATURES

Multi-set Robotic Total Station – A new multi-set workflow has been added to FieldGenius for robotic total stations. The new feature allows a user to setup a multi-set routine with prisms or reflectorless targets and automate the measurement of for 4 different types of measurement sets.

Staking prefix / Suffix point Numbers – New staking options allow a user to select appending with a prefix or suffix to a point number when staking the point. The staked point will have the original point number with the prefix or suffix added.

NEW AND UPDATED INSTRUMENT DRIVERS

Various instrument drivers have been added and improved.

GNSS

- **ComNav G200** - New driver.
- **ComNav T300 Plus** - New driver with tilt support.
- **Geo-FENNEL FGS100** - New driver with tilt support.
- **Hemisphere S321** - Driver update to correspond with firmware update. Mainly addresses UHF radio configuration. Added Hemisphere ROX RTK correction format.
- **Stonex S900** - New driver support for the S900, S900T and S900A.
- **FOIF A60** - New driver.
- **FOIF A90** - New driver.
- **Gintec CY F90** - New driver.
- **GENEQ F90** - New driver.
- **Acnovo GX900** - New driver.
- **Tersus David** – New Driver.
- **Ruide R6i** – Added shake functionality.

Total Station

- **Pentax W2800** – Updated Onboard installer for Windows EC7 OS version.
- **Linertec LGP300** – Updated Onboard installer for Windows EC7 OS version.
- **geoFENNEL FTS 102** – New Onboard Windows EC7 driver.
- **FOIF RTS360 series** - New Onboard Windows EC7 driver.
- **Sanding ARC7** - New Driver.
- **GeoMax Zoom70** – New Driver.
- **Leica TS13** – New Driver.

Coordinate Systems

- Australia
  - Created geoid file to correspond to GDA2020 (AUSGeoid2020_20170908_win.byn)

- o Added coordinate systems to support GDA2020 files (GDA94_GDA2020_conformal.gsb and GDA94_GDA2020_conformal_and_distortion.gsb)
- Papa New Guinea
  - o Created geoid file (PNG08.byn).

DEFECTS FIXED

- **Total Station Observation Toolbar** – Revised procedure to update the ATR corrections to the horizontal and vertical angle displayed on the observation toolbar more frequently.
- **Windows Close "x" Button** – when you select the windows application close button you will now see a warning screen asking you to confirm you want to close FieldGenius.
- **Electronic bubble** – Fixed issue with disabling eBubble on instrument now also disable ebubble options in FieldGenius.
- **Staking Observation Toolbar** – Fixed issue so the cut/fill values in the observation toolbar are updated with the current readings being received from the GNSS receiver.
- **Leica long range Bluetooth** – Updated LRBT libraries and changed configuration to use a another Port as opposed to a specified radio.

KNOWN ISSUES

Disto S910 - First photo taken with project can provide an error, additional photos are taken and stored fine.

Photo Notes – Camera rotation is not supported.

LandXML – LandXML alignments containing a sequence of Spiral-Curve-Spiral-Curve-Spiral are not properly displayed.

Multiset Structured – Angle only backsight is not available.

SOKKIA Total Stations – When locked to a prism in FieldGenius and user changes from one prism to another prism type FieldGenius shows the change in target but the instrument stays on original prism. Workaround is to break lock before changing prism type.

NEW FEATURE AND DRIVER DETAILS

Staking Point ID Prefix/Suffix Numbering video - [Staking ID numbering prefix suffix](#)

Staking Point ID Prefix/Suffix User Guide - [Staking Prefix/Suffix Point ID Numbering](#)

MultiSet Robotic Total Stations Instructional Video

- Multiset basic setup - [Robotic Multiset Part 1](#)
- Multiset advanced settings - [Robotic Multiset Part 2](#)

Multiset Robotic Total Stations User Guide - [Multiset Structured User Guide](#)