

## NEW FEATURES

**Support for SonarMite Hydrograph** – Added support for the SonarMite hydrograph to work with a GNSS receiver to record position and elevation of river/lake bed.

**Improved Surface Model loading** – Improved the speed of loading surface models within LandXML data files. 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.

**Grid to Ground Conversion** – Updated the existing localization functionality to meet the government of India Grid to ground conversion of GNSS grid coordinate and ground coordinate requirements.

**Backsight Check Target Height** – Added feature to retain backsight target height from previous setup.

## NEW AND UPDATED INSTRUMENT DRIVERS

Various instrument drivers have been added and improved.

### GNSS

- **Tersus David** - New driver.
- **COMNAV** – Updated driver to output NMEA over the Bluetooth port.
- **NavCom SF3040** – Updated ARP offset Horizontal 103.6 mm, Vertical -56.1 mm.
- **marXact UNI-GR1** – New Driver.
- **Kolida K5plus+** - New Driver.
- **Kolida K58plus** – New Driver.
- **Kolida K86+** – New Driver.
- **SANDING T66pro** – New Driver.
- **SANDING T3** – New Driver.
- **RUIDE R6p** – New Driver.
- **RUIDE R90i** – New Driver.
- **South** – Driver update support for NTRIP server for sic1.2 and sic2.0.
- **GeoMax Zenith 35** – Driver update support for Normal and Extra Safe Mode option.
- **Gintec GX900** – Updated driver to add support of electronic bubble feature.
- **GENEQ F90** – Updated driver to support tilt sensor.
- **Sepentrio NR3** – New Driver.
- **Stonex S900A, S800A, S10A** – Updated driver for Atlas correction service support.
- **Altus APS3G** – Updated driver.

### Total Station

- **Stonex R35** – New Drivers.
- **Leica Robotic Total Stations** – Updated the search keyboard shortcuts.

## Coordinate Systems

- **Namibian**
  - Added LO2217 geoid to Namibian coordinate systems.
- **Cochise City LDP** – Added to CSMAP coordinate system.
- **Turkish Geoid** – Added new Turkish geoid.
- **Romanian Stereo 70** – Updates Geoid.

## DEFECTS FIXED

- **Robotic Total Station Power Search** – Fixed issue with direction of search icons to search Clockwise and Counter Clockwise.
- **GNSS Raw Data logging** – Fixed issue with tilt compensation and raw data logging.
- **Staking Slope** – Fixed issue with display icon causing a program crash.
- **GeoFENNEL FTS102** – Fixed issue with level bubble not working.
- **Backsight Observe again** – Fixed a screen navigation issue so the observe again option takes the user to the backsight screen.
- **South G1 GNSS Tolerance Solution Type** – Fixed issue that was not listing available solution types.
- **Leica TS13 Backsight Warning Message** – Fixed an issue on properly handling an error code that occurred occasionally from the TS13 when taking a backsight measurement.
- **MultiSet Structured Toolbar left side** – Fixed issue with screen layout when that Instrument toolbar on the left side option was selected.
- **Export Ellipsoid Height** – Fixed issue with units on export.
- **Pentax G6** – Allow to auto connect for corrections when powered on.
- **ComNav T300 Plus** – Invalid fix issue for base GNSS receiver fixed.

## 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

SonarMite BTX Depth Sounder Connection guide - [SonarMite Connection Guide](#)