Software Release Notes **Survey**

DATE: OCTOBER 25, 2012
PRODUCT: PROMARK FIELD
SUBJECT: NEW PROMARK FIELD SW RELEASE
NUMBER: V3.0 (3.0.4)

Introduction

This version is an update of ProMark Field v2.0.5 including several new features and enhancements and well as bug fixing.

Components

ProMark Field: **v3.0**
GNSS Toolbox: **v3.0**

Upgrade procedure

Upgrade procedure:
- Run **Setup.exe**
- Select your language if needed and click on "**Install ProMark Field 3.0**"
- This starts the ProMark Field Setup Wizard
- Keep the default settings and just click **Next>**
- The wizard will copy the Ashtech Required Data files to the receiver. Choose "**Device**" (recommended).
- The installer on the computer then runs the same sequence as the previous one, this time to copy the ProMark Field installation files to the receiver.
- Click **OK** then **Close** to complete the installation on the computer side.
- Wait until the installation is complete. The receiver then re-boots automatically. Once re-booted, the ProMark Field option can be seen on the Today screen.
- Note: During installation you will see a new module '**TSS Base'** being installed

New features/Enhancements

- Large soft keyboard
- Magnetic variation support for improved e-compass accuracy
- Improved unit management (single setting)

- Enhanced voice guidance (reporting distance and turn direction in MobileMapper Field "go to" mode; reporting one major distance and direction to move in stakeout mode instead of two distances and two directions)
- AXF improvements (supported limits for attribute values, text attributes can now contain quotation characters, performance/refactoring)
- RTK initialization in MobileMapper Field
- Improved "go to" mode for close navigation in MobileMapper Field
- ECW background map format support
- Possibility to update existing point feature coordinates with GPS position in a field
- Recording raw data to a job folder in MobileMapper Field
- Possibility to display negative values of projected coordinates in the status screen
- Possibility to add GPS metadata as point feature attributes in MobileMapper Field
- Vertical offset in MobileMapper Field
- Attribute editing during feature logging in MobileMapper Field
- Low memory warning in MobileMapper Field
- GPS status display during averaging in MobileMapper Field
- Showing GPS status when PDOP filter is being applied
- Stop logging confirmation in MobileMapper Field
- GPX file recording in MobileMapper Field
- Possibility to stop averaging in MobileMapper Field
- NMEA output screen redesign in GNSS Toolbox to replace COM port names with actual device names (VSP, cable, Bluetooth)
- Reduced application startup time when using OSM map (loading it in background)
- Support for geometry parts (FNC 2438)
- Support comma in geo-referenced map files (FNC 2310)
- Displaying coordinates of a location that user tap on a map
- NMEA GST message support in GNSS Toolbox
- Warning message if no external antenna connected when L1&L2 tracking mode is selected in GNSS Toolbox
- Possibility to send a command to the receiver
- NTRIP caster name
- Hiding NTRIP password
- Possibility to delete NTRIP and DIP connections
- GSM/GPRS modem auto reconnection
- Observation timer voice info in ProMark Field
- Position status voice info
- Reference station ID display
- "Store FIXED only" setting in ProMark Field
- Stakeout tolerance in ProMark Field
- Displaying current raw data file path/name
- Import and export of user-defined text file formats
- International feet support
- OK soft key on the logged point screen
- Support for local network coordinate system
- L2 SNR display
- Support for new GNSS tracking modes (including GPS/GLONASS L1/L2) in GNSS Toolbox
- Changed copyright for ProMark Field and GNSS Toolbox
- GNS NMEA message output in GNSS Toolbox

- RTK Bridge in GNSS Toolbox and ProMark Field
- NMEA recording to a file in GNSS Toolbox
- Registration code option in GNSS Toolbox
- COM port descriptions in Differential Mode/Other External Device data link option in GNSS Toolbox and ProMark Field
- Redesigned support for the local network coordinate system in ProMark Field to make projection working properly with specified ellipsoid (Advanced tab in the rover configuration menu)
- A possibility to check all / clear all messages in NMEA Output screen of GNSS Toolbox
- One point calibration in ProMark Field
- Voice guidance is now available in French, German, and Russian languages besides English (in house translation not involving any commercial software or resources).
- Improved support for the local network coordinate system in ProMark Field to provide orthometric height output and an indication of whether RTCM data is actually used for coordinate transformations ("RTCM" sign displayed at the bottom right corner of the main screen)
- Increased maximal time on point in ProMark Field to 1 hour as per the customer request
- GNS NMEA message output in GNSS Toolbox
- RTK Bridge in GNSS Toolbox and ProMark Field
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- Registration code option in GNSS Toolbox
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Resolved Problems/Improvements

- ThBug00086758 Application truncates (rounds up) 'Area' value.
- ThBug00086799 Application does not always perform 'Modify' for new predefined attributes
- ThBug00086789 Saving object with Picture is going on for a long time on some SD cards.
- ThBug00086762 DXF. Application rewrites 'dxf' file with wrong coordinates.
- ThBug00086695 Unable to configure radio after network connection
- ThBug00086709 NMEA output is not restored on port F after Reset
- ThBug00086479 'Repeat feature' and new predefined attributes for Point type (DXF, MIF).
- ThBug00086353 Virtual keyboard is not shown in Menu -> Job -> Export
- ThBug00086345 Moving the fields from "Available fields" to "Selected fields" lists

Known issues

None

Recommendations

N/A