

## Release Note History



Product:	Software GEDO NovaTrack
Software-Version:	until 2.0.1
Hardware-Version:	
Date:	September 16, 2019
Author:	LM
Relevance:	Informative
Action:	Update

### **Version: 2.0.1 (September 16, 2019)**

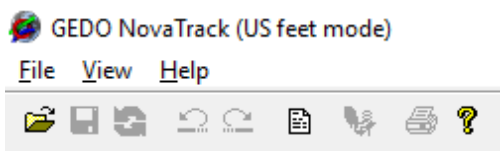
- **Feature: Support of US Feet units**

Added support for US Survey Feet unit system. Measurement data from the GEDO \*.GTD file format is automatically recalculated into the alignment elements based on US Feet unit system. Alignment chainage information, alignment parameters for horizontal, vertical and cant elements are shown on the screen in US Feet. The new unit system is supported during direct alignment editing and in the Analysis diagram mode. For alignment calculation in Automatic/Semi-automatic modes and alignment validation, local calculation profile tables have to be defined in US Feet system. The design speed settings in the calculation profile and calculated design speed are in the Metric system.

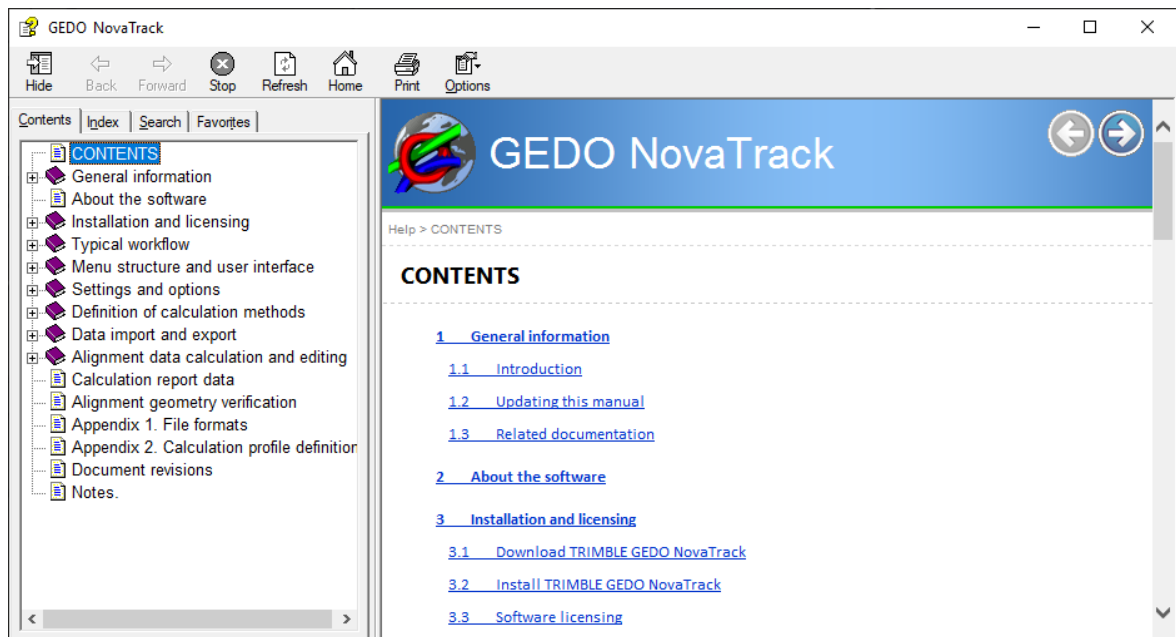
During the GEDO NovaTrack installation, the installer is creating two shortcuts, located on the desktop: 'GEDO NovaTrack' - for software run in Metric system and

'GEDO NovaTrack US' - for software run in 'US Feet'.

When the software is started in US Feet mode, the main status bar indicates the actual unit system mode in the parentheses - 'US Feet mode'.



- **Feature: update software Help structure and information**  
Update software user Help resource information. The software Help section was replaced with a complete information from the *GEDO NovaTrack User Manual*. To access new Help resources, from the main menu select *Help -> Help*



- **Feature: data exchange in LandXML file format**  
Implemented LandXML file format reading and writing functionality, supporting LandXML versions v.1.1 and v.1.2. Measurement data to the software can be imported in LandXML format as a track centerline points. The points in the LandXML file has to be defined as 'CgPoint' entities. After the import, the data can be further processed standard Automatic or Semi-automatic calculation workflows. The calculated horizontal and vertical alignments are exported to LandXML v.1.1 file format.

To import measured points, from the main menu select *File -> Open -> \*.XML*

To import alignment for editing, from the main menu select *File -> Import -> \*.XML*

To export alignment, from the main menu select *File -> Save/SaveAs -> \*.XML*

Measured and design cant information is not supported by LandXML reader/writer.

- **Bugfix: incorrect vertical uplift**  
Software applies incorrect vertical uplift for calculated vertical alignment when the calculation is done using calculation profile based on Novatrack 3.0 method. Entered vertical uplift in calculation profile has no effect on vertical alignment. Affected just Vertical Offset (cm) values in the offset diagram graph. The issue is now resolved.
- **Bugfix: incorrect statistical summary**  
Incorrect alignment evaluation statistics were displayed when the alignment calculation was done in the Automatic mode, using Novatrack 3.0 method. The issue has been resolved.
- **Bugfix: incorrect alignment display in N-E orientation.**  
When view of alignment was set to N-E orientation, display of alignment in Horizontal View is incorrect. The orientation of alignment was changed incorrectly using Zoom-in or Pan commands. The error was corrected.

- **Bugfix: error with direct element editing**  
At certain alignment configurations it was not possible to edit horizontal alignment element parameters directly in the horizontal plan view. When Circle radius or Clothoid length is changed using arrow dialog buttons up/down, the values in the dialog are not changing or changing in the large steps. This producing incorrect solution – calculation could not be found or makes software to freeze. The issue has been corrected.
- **Bugfix: error with cant/speed calculation.**  
Specific alignment configuration had effect on incorrect speed and cant calculations. Alignment editing using direct element editing dialog was resulting in faulty cant and speed result. This issue was resolved.
- **Bugfix: export of alignment with negative coordinates to .TDT format.**  
Horizontal alignment is incorrectly exported to .GEDO .TDT format when E or N coordinates are negative. The coordinate data in the .TDT file was truncated by removing space delimiters between negative E or N values. Issue has been resolved.

**Trimble Railway GmbH**  
Korbacher Str. 15  
D-97353 Wiesentheid  
Tel.: +49 (0) 9383-9732-0  
Fax: +49 (0) 9383-9732-10  
Email: [info@trimble-railway.com](mailto:info@trimble-railway.com)  
Internet: [www.trimble-railway.com](http://www.trimble-railway.com)