



## Technical Note

(TcpMDT\_en\_v75\_utl003\_Export\_Hexagon)

# Exporting from MDT to Hexagon XML format

### Update Date

25/07/2016

### Requirements

**MDT Versions:** 7.5 or higher

**CAD Versions:** All supported

**Operating Systems:** Windows XP / 7 / 8 / 10

### Objective

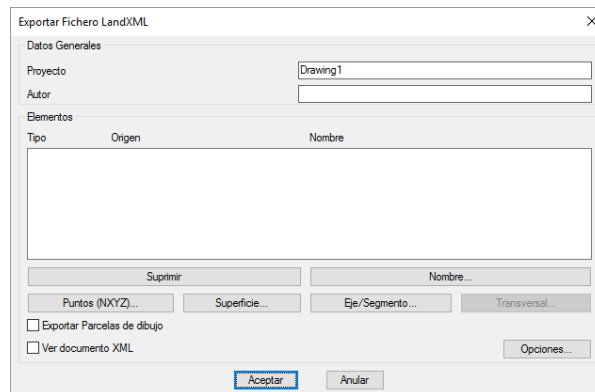
In this technical note the procedure for exporting a road or MDT segment to Hexagon XML format is described. This format is compatible with “*Leica Captivate*” software used with total stations and GNSS receivers.

[Generation of Hexagon XML files with MDT v7.5](#)

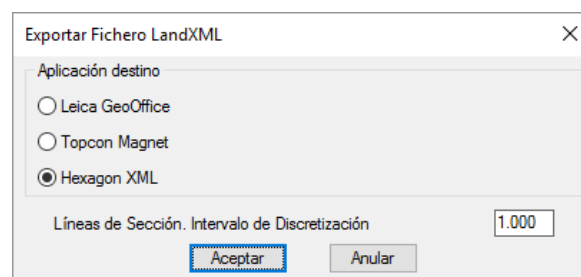
[Importing Hexagon XML files with “\*Leica Captivate\*”](#)

## Generation of Hexagon XML file with MDT v7.5

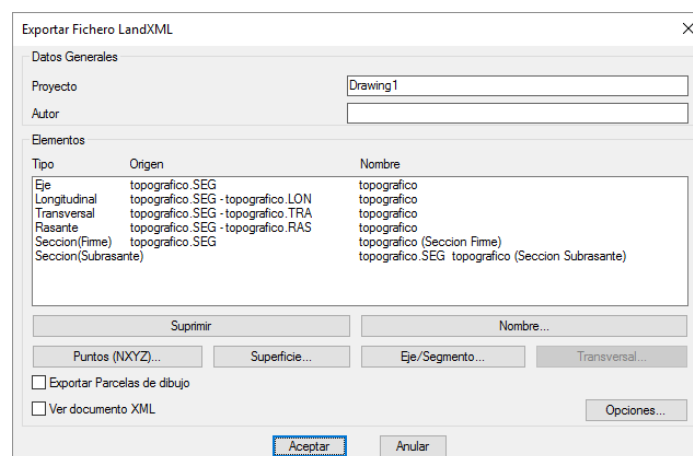
1. Run MDT command “*Utilities > Export to LandXML*” and the following dialog will appear:



2. Press “*Options*” button and select “*Hexagon XML*” option, and the control “*Template lines. Discretization interval*” will be enabled, allowing to give a value for discretizing arcs and splines. Press OK to accept default values.



3. Press “*Alignment/Segment*” button and select segment to export. It must include a template previously defined. Select file “*topografico.seg*”.

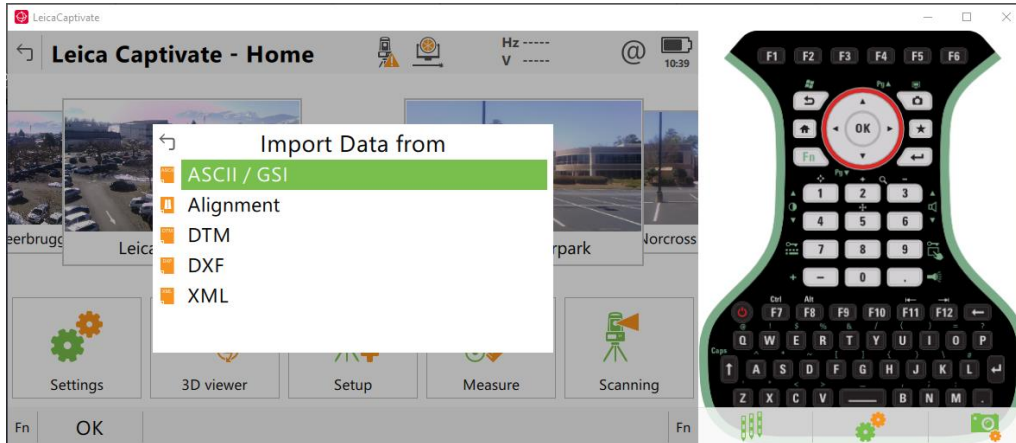


All elements of file that can be exported are shown automatically.

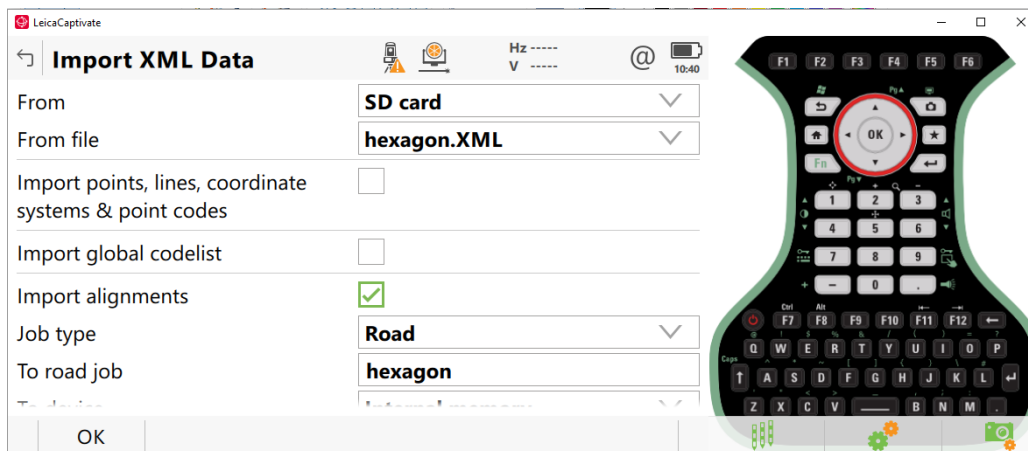
4. Press “*OK*” button and then choose output XML file. Give “*hexagon.xml*” as file name. This file is ready to be imported with “*Leica Captivate*” software.

## Importing Hexagon XML file with “Leica Captivate”

1. Copy “*Hexagon.XML*” file created in previous step to our instrument.
2. Run “*Leica Captivate*” and in a new or existing project select option “*Import Data > XML*”.



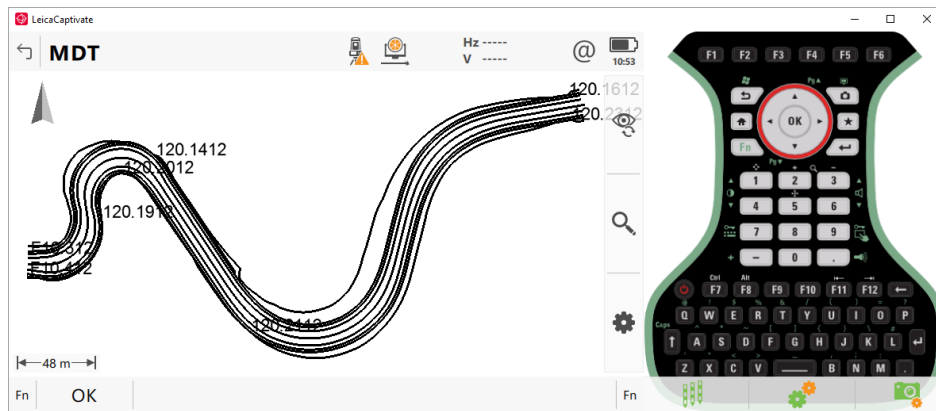
3. Select “*hexagon.xml*” file and “*Import alignments*” option.



Proceed with importing by pressing “*OK*” button. The process will start, and after finishing a dialog with the number of alignments will be shown. Press then “*Yes*” button.



4. In main menu of “*Leica Captivate*” select “*3D viewer*” option in order to view all alignments in 3D mode. Now everything is ready for working with Leica Captivate’s tools.



## References

[Sample data](#)

[Video](#)