



December 22, 2014

To: General Release

From: Michael Cook
Certainty 3D, LLC

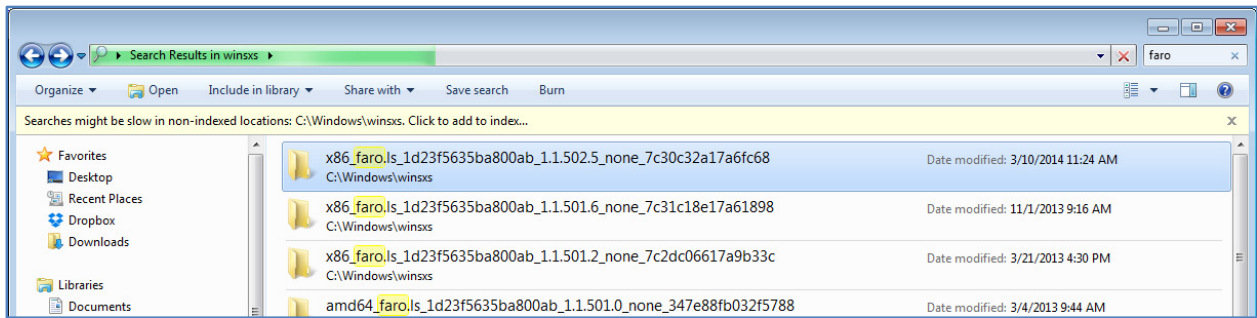
Re: How to Use FLS (FARO) Format in TopoDOT

Background

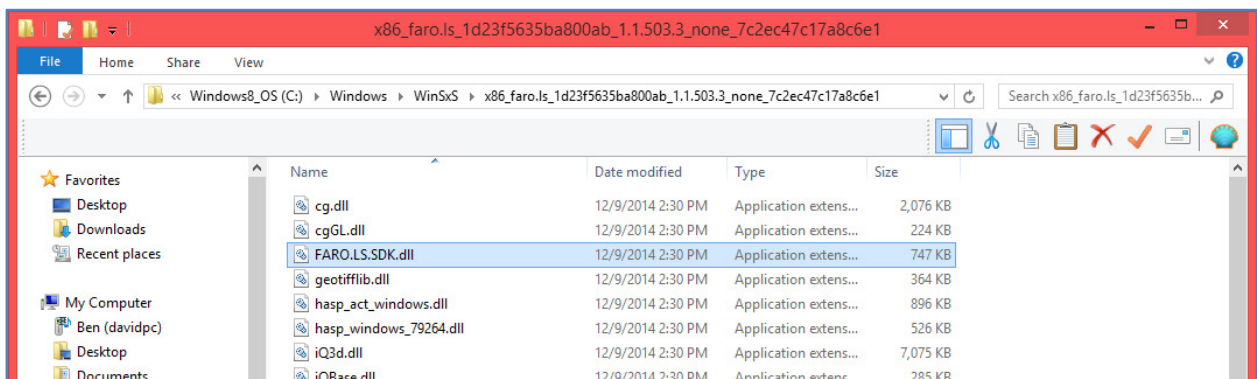
The FLS file is FARO's proprietary LiDAR scan data format that stores spatial (x,y,z), Intensity, RGB, Unit and scanner origin information. In order for a compatible 3rd party software (TopoDOT) to read the FARO laser scanner data an Importer (SDK) needs to be installed. This FARO SDK installation will allow TopoDOT to read the latest version of the FLS file format.

Instructions:

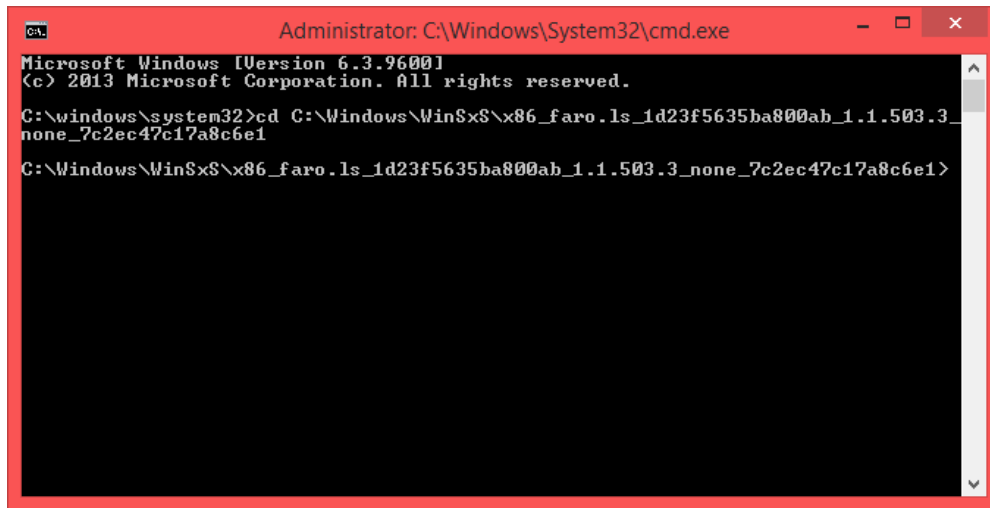
- Download the latest 32 bit version of the FARO SDK(x86) from Faro. Do not download the 64 bit version. Downloading options:
 1. Using Certainty3D, www.certainty3d.com/downloads/faro-ls-sdk-5-2-5-36203---32-bit-setup.exe
 2. Using FARO (credentials form will be required), <http://www.faro.com/en-us/faro-3d-app-center/stand-alone-apps/scene-importer-%28sdk%29>
- FARO Installation Instructions:
 1. Install 32 bit. Once finished, open 'Windows/File Explorer' and navigate to C:\Windows\winsxs\
 - i. Search for 'faro'



- ii. Identify the <faro.ls.sdk.dll> from the latest FARO SDK installation. 'Right-Click' on that file (the dll) and select open file location.
- iii. Copy the file path from the URL/address bar. You will use this in the next step.



2. Open command prompt with administrator privileges. You can do this by clicking the start menu, start typing "cmd.exe" (with no quotes). You should see cmd.exe appear on the top. 'Right-click' it and select "Run as Administrator".
 - i. Type "cd " (with a space after cd, no quotes) and then right click in the window and select paste. You should see the full file path included before the cursor (>) in the command prompt window.
 - ii. Type the following lines (push 'Enter' after each line):
 - Regsvr32.exe iQOpen.dll
 - Regsvr32.exe FARO.LS.SDK.dll
 - iii. You should see a "DLLRegisterServer Succeeded" message after each line.



```
Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\windows\system32>cd C:\Windows\WinSxS\x86_faro.ls_1d23f5635ba800ab_1.1.503.3_
none_7c2ec47c17a8c6e1
C:\Windows\WinSxS\x86_faro.ls_1d23f5635ba800ab_1.1.503.3_none_7c2ec47c17a8c6e1>
```

3. Restart the computer/machine. TopoDOT will now be able to read the latest FLS file formats.

Questions and/or Comments

Certainty 3D, LLC
7039 Grand National Drive, Suite 100
Orlando, FL 32819
Tel: 407 248 0160
Email: support@certainty3d.com
www.certainty3d.com