

Step by Step Instructions for Using The NGS Geoid 03 Model with TGO.

Like all step by step instruction they always make things seem more complicated than they really are. So be patient when reading them.

*Go to the Trimble web site at www.trimble.com and click on "Support and Training" then choose "Trimble Geomatics Office" then choose "Downloads" then choose "Geoid Files" then choose "Geoid 03 Continental US". The file "Geoid 03 Combined CONUS" (28MB) should be downloaded if you have a high speed connection to the internet. The 28MB file will take about 12 minutes to download if you have a connection that will give you 40KB/sec download. If not you can use the region files using these same instructions. After you download the file use Explorer to located the Geoid 03 file and execute the file by double clicking on it. The self extracting utility will ask you for the location to save the file. Save the G03 file to the C:\Program Files\Common Files\Trimble\GeoData folder. You should next use Explorer to open the C:\Program Files\Common Files\Trimble\GeoData folder. Rename the "current.csd" file to current-ORG.csd to preserve its contents. The final step is to make this file available for TGO using Trimble "Coordinate System Manager". This can be found by going to your program folder on your start menu and going to the "Trimble Office" folder "Utilities" folder and clicking on "Coordinate System Manager". When Coordinate System Manager starts pick the Edit menu at the top of the box and choose "Add a Geoid Model...". For the name enter "GEOID03 (Conus)". For the file name click on the down arrow and pick the G03 file from the list. The last thing you need to do is to save the Coordinate System Database (.CSD) file as current.csd. This is done by choosing the file menu at the top of the box and picking Save As... **Make sure the "Save In" box at the top is set to C:\Program Files\Common Files\Trimble\GeoData folder and you use a file name at the bottom of current.csd.** This process saves everything in the Coordinate System Manager to the current.csd file that is used by TGO.*

When you start a new project in TGO at the properties box select the Coordinate System tab, choose Change at the Coordinate System Settings box, the New System radio button, and next. Make sure Coordinate System and Zone is selected and click next. You will now pick the Coordinate System Group and Zone and click next. If you have followed these instructions you will now see and be able to pick "GEOID03 (Conus)" from the list of predefined geoid models and click finish.

Geoid 03 is now the geoid model for your current project.