

Leica SurvCE Training



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1.0 Introduction

Objectives

In this exercise you will learn how to create a Geoid Separation File in X-Port and transfer it to the RX1250.

At the end of the exercise you should be able to create a Geoid Separation File and transfer it to the RX1250.

2.0 Creating and Transferring a Geoid Separation File

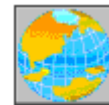
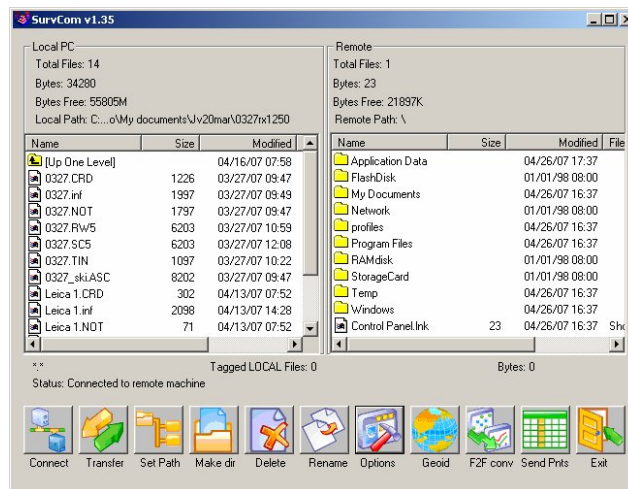
Objective

After completing this exercise you will have created a Geoid Separation File and transferred it to the RX1250

Getting started

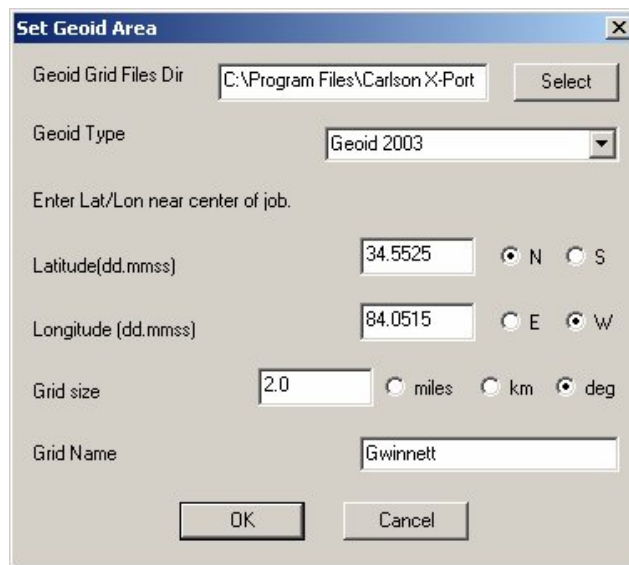
On the Windows desktop of your PC double-click the X-Port icon to start the program.
Connect the RX1250 and your PC using a GEV161 cable.
Verify that you have established communication between the RX1250 and your PC.

Creating a Geoid Separation File



Click the Geoid icon on the toolbar at the bottom of the screen.

Setting the Geoid Area



Set Geoid Area

Geoid Grid Files Dir: C:\Program Files\Carlson X-Port Select

Geoid Type: Geoid 2003

Enter Lat/Lon near center of job.

Latitude(dd.mmss): 34.5525 ☒ N ☐ S

Longitude(dd.mmss): 84.0515 ☐ E ☒ W

Grid size: 2.0 ☐ miles ☐ km ☒ deg

Grid Name: Gwinnett

OK Cancel

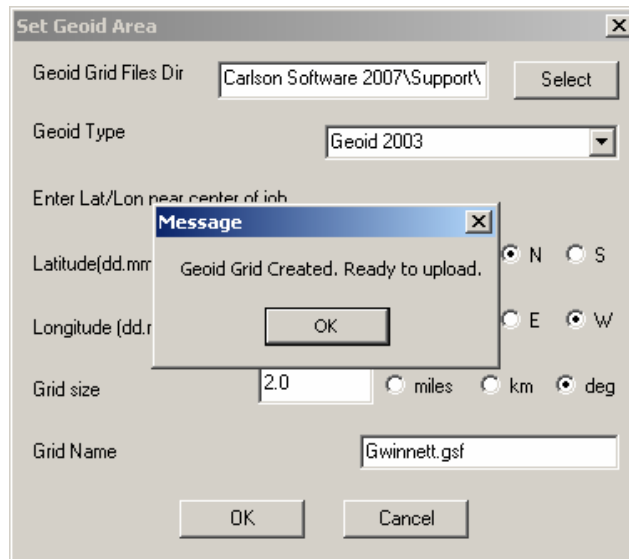
For this exercise we will select the following:

Click **Select** to browse for the directory.

- C:\Program Files\Carlson X-Port Geoid Grid Files Dir
- Geoid 2003 Geoid Type
- 34.5525 Latitude(dd.mmss) N
- 84.0515 Longitude(dd.mmss) W
- 2.0 deg Grid Size
- Gwinnett Grid Name

Click **OK**

Transferring the GSF to the RX1250



Set Geoid Area

Geoid Grid Files Dir: Carlson Software 2007\Support\ Select

Geoid Type: Geoid 2003

Enter Lat/Lon near center of job.

Latitude(dd.mmss): ☒ N ☐ S

Longitude(dd.mmss): ☐ E ☒ W

Grid size: 2.0 ☐ miles ☐ km ☒ deg

Grid Name: Gwinnett.gsf

OK Cancel

Message
Geoid Grid Created. Ready to upload.
OK

The Geoid Separation File was successfully created.

Click **OK** to transfer the file to the RX1250.

Remote		
Total Files: 15		
Bytes: 198245		
Bytes Free: 21865K		
Remote Path: \Storagecard\Survce\Data		
Name	Size	Modified
[Up One Level]		
Backup		04/11/07 08:17
demo.CL	236	06/25/02 13:23
demo.FCL	3550	05/04/06 13:08
demo.GRD	38542	11/10/97 10:59
demo.PRO	120	11/02/97 16:17
demo.sct	1920	09/26/97 10:15
demo.TPL	1723	09/26/97 10:05
fff.RPT	199	04/13/07 09:18
fff.txt	224	04/13/07 09:20
Gwinnett.GSF	138K	04/27/07 16:55

Note that your file was automatically transferred to the RX1250 as the final step in the GSF creation process.