

Product News

Survey / GIS

Document: MKG05-030

13 December 2005



GEOID03 revised For GNSS Solutions

Product concerned

Product Names:

GNSS Solutions, Z-Max, ProMark3

Product Family:

Survey / GIS

1. PURPOSE

The US Government NGS/NOAA recently published a revised version of GEOID03 where the area covering "Coastal Louisiana" has been modified. It has been updated based on the most recent VTDP model for the region to better reflect the actual orthometric heights at the bench marks. The modified section is part of "GEOID03 file #7"

2. SOLUTION

GNSS Solutions allows current user to immediately upload the new data file and create the revised geoid. It can be done in 2 ways:

- creating a Louisiana-dedicated area (in fact the whole file#7)
- or creating a full Geoid03revised

2.1 Louisiana-dedicated area

To define a full, Geoid03-revised

- download Binary Grid #7 from <http://www.ngs.noaa.gov/GEOID/GEOID03/download.html>, "g2003u07.bin"
- Launch "Geoids" tool
- Select "g2003u07.bin" file
- Select "GEOIDYY" format
- Name it "Louisian" (only-8 characters)
- Add any comment
- Import

2.2 GEOID03-revised

To define a full, Geoid03-revised

- download ALL Binary Grids (1 thru 8) from <http://www.ngs.noaa.gov/GEOID/GEOID03/download.html>
- Launch "Geoids" tool
- Select "g2003u01.bin" file
- Select "GEOIDYY" format
- Name it "Geoid03R" (only-8 characters)
- Add any comment
- Import

The whole 8 files will be uploaded automatically to create a single Geoid03-revised.

The geoid file is saved in /Common files/Thales Navigation/Geoids/Data and can now be used by GNSS Solutions.

3. CUSTOMER NOTIFICATION

All RSMs will receive this Product Marketing Update for information of their channels / customers.