

Trimble Office Software Set Up:

Files required:

- Current.csd
- GCGM0811.ggf for Grand Cayman
- CBGM0811.ggf for Cayman Brac
- LCGM0811.ggf for Little Cayman
- CI_TGO_ProjectTemplates.zip for TGO
- CI_TBC_ProjectTemplates.zip for TBC

The coordinate system data base file current.csd and the geoid model files ggf should be copied to the default Trimble folder. This folder is where the default Trimble files are stored on installation of the software. These default files include the original current.csd file and any standard global or regional geoid model files that are included by Trimble. This folder can be in different locations depending on the version of Windows operating system being used and which Trimble software is being used. The most common location is:

C:\Program Files\Common Files\Trimble\GeoData\

But may be:

C:\ProgramData\Trimble\GeoData\ or C:\Program Files\Common Files\Trimble\GeoData\
or.

C:\Documents and Settings\All Users\Application Data\Trimble\GeoData

An existing current.csd file will already be present in this folder and should be moved or renamed to prevent overwriting before storing the new file.

Coordinate system database files (.csd files) can be edited using Trimble utility program Coordinate System Manager. Any customizations previously made to the default current.csd file can be copied and pasted from the renamed file into the new downloaded file. **Note:** existing site calibrations that were saved as site in TGO or TBC will be present in the existing current.csd file. These will not work in the new coordinate system without re observing or recalculating.

A TGO project template file is available for each island in CI_TGO_ProjectTemplates.zip For Grand Cayman this is a folder named GC-CIGD11-GCGM08-1. This is a standard TGO job with the usual sub folder structure which acts as a job template when stored in the template folder. Extract the contents of the file CI_TGO_ProjectTemplates.zip to folder C:\Program Files\Trimble\Trimble Geomatics Office\Template or equivalent. When opening a new TGO project the three new templates “GC-CIGD11-GCGM08-1” “CB-CIGD11-CBGM0811-1” and “LC-CIGD11-LCGM0811-1” will then appear in the list of available templates.

A TBC project template file is available for each island in CI_TBC_ProjectTemplates.zip For Grand Cayman this is a file named GC-CIGD11-GCGM08-1.vct The location to store the TBC project templates can be viewed and set in TBC from the Tools > Options > File Locations > Template Folder.

Selecting a template will automatically set the project coordinate system, transformation and geoid model of a new project job to the appropriate island (assuming the above csd and ggf files are loaded). All CORS are also included as controls in their CIGD11 positions.

Trimble Survey Controller (TSC) Set Up:

Files required:

- GC-CIGD11-GCGM0811.zip or GC-CIGD11-GCGM0811.vce
- GCGM0811.ggf
- Custom.csd (Optional)

The basic survey controller set up follows the same procedure as employed when GPS was first introduced and job GC7P was provided as a template for Grand Cayman. This time the template job provided is GC-CIGD11-GCGM08-1.

This is the same job as provided for use as a template in the office software. Additionally any geoid model .ggf files also need to be uploaded.

The Trimble project template for example GC-CIGD11-GCGM08-1 should be copied onto the survey controller. This should be copied to the controller in the same way a normal job would be copied.

This can be done by opening the job in TGO with the controller connected and using the Export-Survey Device menu selection. This job contains the new transformation parameters that replace GC7P.

In TBC a .job file can be exported and copied into the “Trimble Data” folder on the TSC using Active Sync.

When loaded onto the controller, job GC-CIGD11-GCGM08-1 can be used for any new work by creating all new jobs as a copy of it i.e. the new job is created and the “copy from job” feature used to copy “calibration and control” to the new job. The new job will then also reference the geoid model for Grand Cayman, GCGM0811; the file for which (GCGM0811.ggf) needs to be uploaded separately to the same “Trimble Data” folder.

The TSC needs to be rebooted before the files are recognized.

Optionally and additionally the new Coordinate System Database (csd) file custom.csd should also be uploaded to the “Trimble Data” folder on the survey controller.

The custom.csd file is identical to the current.csd file used by the office software, it is renamed to conform to Trimble convention so as to be recognized by the TSC. Uploading a custom.csd file overwrites any existing custom.csd file.

If the custom.csd file is loaded then a new job can be started on the controller without needing to copy the template job. When creating a new job in this way the new coordinate system will appear in the drop down selection box accessed via: Files / New Job / Properties / Coord Sys / Select from Library. Once the Use Geoid Model check box is ticked the required geoid model can be selected from the drop down menu that appears below the check box.