

Leica SurvCE Training



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1.0 Introduction

Objectives

In this exercise you will learn how to setup a job in Leica SurvCE.

At the end of the exercise you should be able to select a Job and define the Coordinate System and Code List within Leica SurvCE.

Getting Started

All we need for this exercise is the RX1250

2.0 Creating a job in Leica SurvCE

Objectives

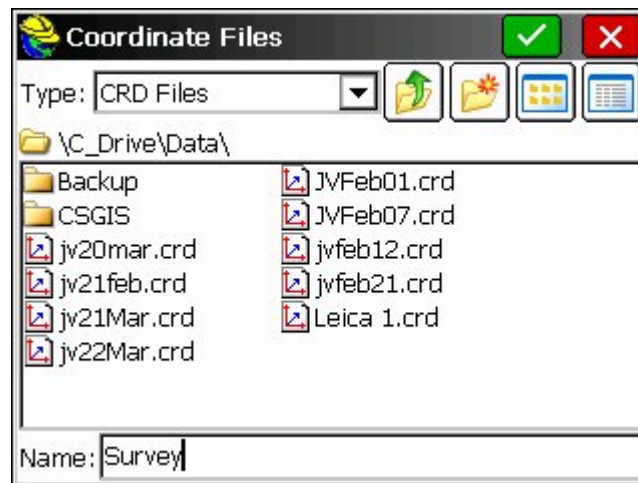
- Create a job in Leica SurvCE.
- Define the coordinate system.
- Store an assumed point within the job file.

Selecting the Job



This is the Leica SurvCE Main menu. From the File menu tap the **J**ob button or press the **1** key on the keyboard.

Creating a New Job



Type **Survey** in the name box to name the new job. Press the

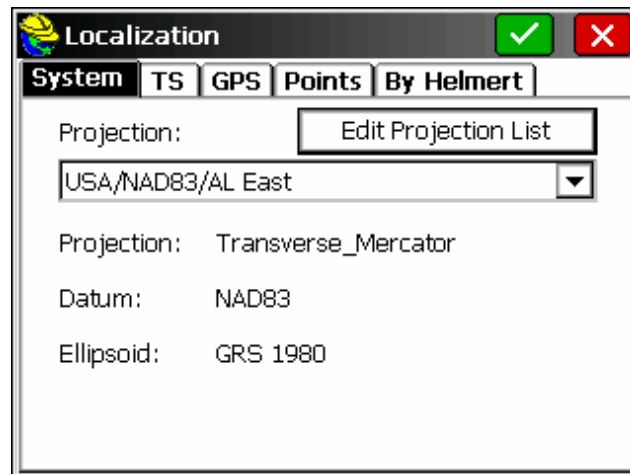


key on the RX1250 or tap



the on the screen to accept the name.

Defining the units and the Projection

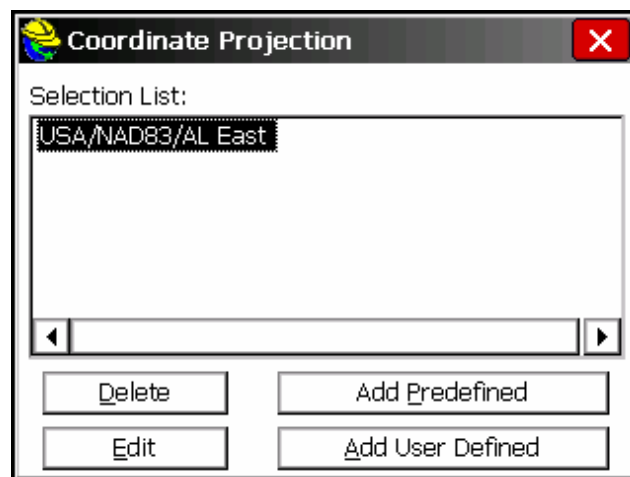


For this exercise we will select

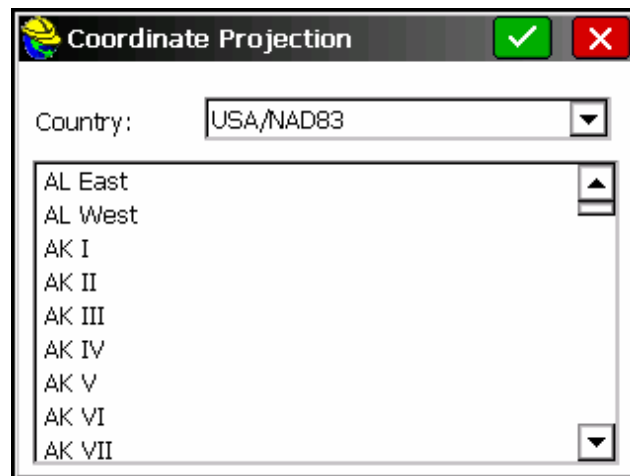
- **US Survey Feet** for our distance unit, incremented in **Decimal Feet**,
- **Degrees, Minutes, Seconds** for our angular units and will give our azimuth a
- **North Zero Azimuth** Setting.

Because we are using an assumed coordinate system the projection does not matter, but we will edit the projection list for the sake of instruction.

- Tap the **Edit Projection List** button.

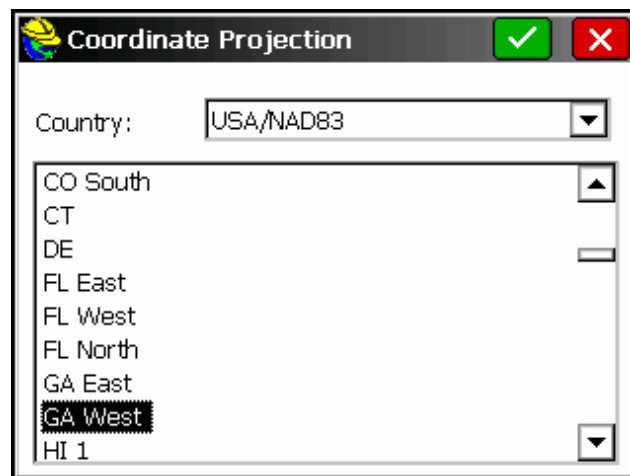


Tap **Add Predefined** on the RX1250 screen.

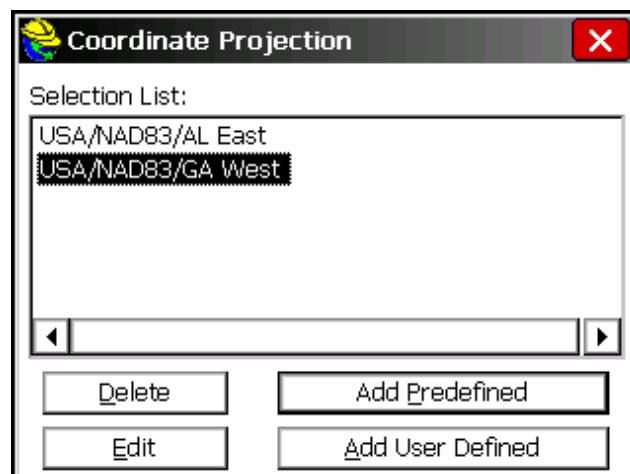


For this exercise we will choose the

- **USA/NAD83/GA West** Coordinate Projection.

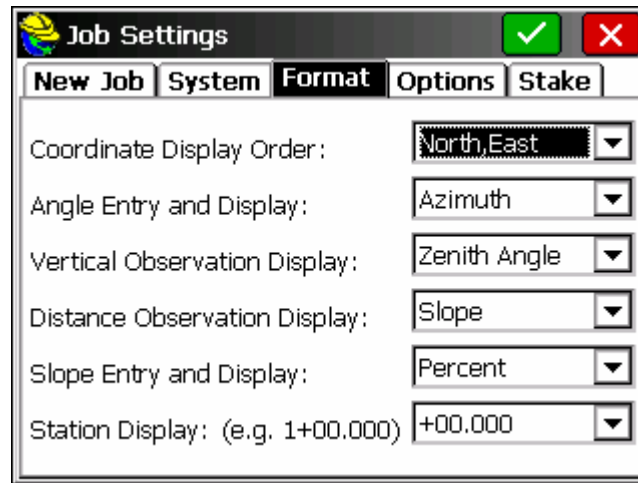


Press the  key on the RX1250 or tap the  on the screen to accept the selection.



With our selection highlighted, tap the  on the screen to close the window.

Defining the Data Format



Job Settings [✓] [X]

Format | New Job | System | Options | Stake

Coordinate Display Order: North, East

Angle Entry and Display: Azimuth

Vertical Observation Display: Zenith Angle

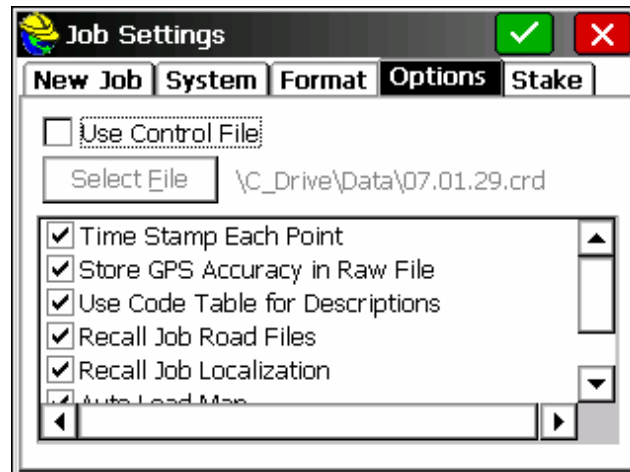
Distance Observation Display: Slope

Slope Entry and Display: Percent

Station Display: (e.g. 1+00.000) +00.000

Tap the **Format** menu tab on the screen of the RX1250. Verify that you have the following settings and move to the **Options** tab.

- **North, East** Coordinate Display order
- **Azimuth** Angle Entry and Display
- **Zenith Angle** Vertical Observation Display
- **Slope** Distance Observation Display
- **Percent** Slope Entry and Display
- **+00.00** Station Display



Job Settings [✓] [X]

Options | New Job | System | Format | Stake

☐ Use Control File

Select File: C:_Drive\Data\07.01.29.crd

☒ Time Stamp Each Point

☒ Store GPS Accuracy in Raw File

☒ Use Code Table for Descriptions

☒ Recall Job Road Files

☒ Recall Job Localization

☒ Auto Load Map

Verify that you have a check in the **Use Code Table for Descriptions** box and press the

 key on the RX1250 or tap the  on the screen to accept the selection.

Storing an assumed point in the file



JOB: SURVEY [Phone] [Printer] [Globe]

File | Equip | Survey | COGO | Road

1 Job	6 Data Transfer
2 Job Settings	7 Import/Export
3 Points	8 Delete Job
4 Raw Data	9 Write Note
5 Feature Code List	0 Exit

From the **File** tab tap the **Points** button or press the **3** key on the keyboard of the RX1250.

Pt ID	Northing	Easting	Elevation	Description
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Buttons: Edit, Add, Find, Delete

From this screen tap the **Add** button.

Point ID: 2 Add Notes

Northing: 5000.0000 ft

Easting: 5000.0000 ft

Elevation: 100.0000 ft

Description: Assumed Nail

Input/Edit Attributes

Insert the following information:

- 2 Point ID
- 5000.00 Northing
- 5000.00 Easting
- 100.00 Elevation
- **Assumed Nail** Description

Press the  key on the RX1250 or tap the  on the screen to accept the selection.

Pt ID	Northing	Easting	Elevation	Description
2	5000.00	5000.00	100.00	Assumed N

Buttons: Edit, Add, Find, Delete

Tap the  on the screen to close the window.