

Uploading Data to the Data Collector

The following instructions will guide you through manually entering points. Carlson modules are displayed as {**Survey**}, main menus are displayed as [**Points**], and submenus and menu commands are displayed as <**Edit Points**>.

- 1) Plug the serial cable into both the data collector and the computer
- 2) Open Carlson Survey and open the drawing that has the job that you want to upload data from.
- 3) Make sure that the crd file for the job contains the points that you want to upload. Typically you will have to create points from the final surfaces in the crd file using the “*Draw Locate Points – Screen Pick*”, “*Station Polyline*”, “*Create Points from Entities*”, “*Interpolate Points*”, or some other function in Carlson to create final points for stakeout work. If the crd file does not contain the final points, create them.

Pay special attention to the numbering of the final points. Careful selection of stakeout point numbers will save you time in the field. As a minimum, create points in a series above the original points (500 series, 1000 series, etc.)

- 4) Turn on the data collector and start SurvCE
- 5) If a dialog box appears, tap “**Continue Last Job**”
- 6) Open data transfer routine: [**File**] → <**Data Transfer**>
- 7) Make sure the COM port at the bottom is set correctly (typically COM1)
- 8) Tap “**Carlson Transfer**” to ready data collector. It should show “*Awaiting Connection*” on the screen
- 9) Set data collector to the side and return to the computer
- 10) Start the Carlson transfer routine: {**Survey**} → [**Survey**] → <**Data Collectors**>
- 11) Click on “**Carlson SurvCE**”
- 12) A dialog window will appear that is split into two sides. The left side is the local pc (your computer) and the right side is the data collector.
- 13) Navigate to the desired location for the job files in the directory structure on the right side (data collector). If a job folder does not exist create it by clicking on the “**Make dir**” button. Give it a name and make sure the “**Remote Machine**” option is toggled. **Double click** on the new folder to enter it.
- 14) Find the location to you have saved the current drawing in on the left side (local computer) by navigating the directory tree.
- 15) Highlight the crd file by clicking on it

- 16) Click the "**Transfer**" button to copy the file
- 17) Once the crd file is transferred, it will appear on the remote computer side of the dialog box. Click "**Exit**" when done on the computer.
- 18) Click "**Exit**" in SurvCom
- 19) Pickup the data collector and tap "**Close**"
- 20) Tap **[File] → <Job>**
- 21) Navigate to the uploaded crd file and double tap it. Go through the options of setting up a new job in SurvCE.
- 22) Turn off the data collector when done.