

TPS1200 Quick Guide

3.0 Utilities

Introduction

This chapter contains various important functions that are not large enough to have their own chapter but still important enough to be included in this quick guide.

In this Chapter

| Section | Topic |
|---------|------------------------------|
| 3.1 | Import ASCII/GSI Data to Job |
| 3.2 | Transfer Objects |

TPS1200 Quick Guide

3.1 Import ASCII/GSI Data to Job

Introduction

There will be instances when you are given an ASCII file containing points that you must stake out. You can import these points into the TPS1200 instrument and create a job from the ASCII file.

The ASCII file must have a **.txt** extension and be stored in the Data directory on the Compact Flash (CF) card. See chapter 1, section 1.6 *CompactFlash (CF) Card Directory Structure* for more information on the CF card.

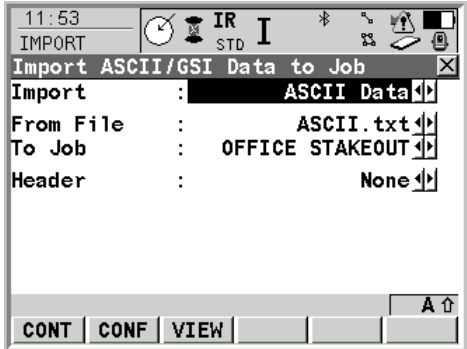
In this section we will convert a text file into a System 1200 job using the Import ASCII/GSI to Job tool.

| Step | Action | Display |
|------|---|---------|
| 1 | <p>From the Main Menu:</p> <ul style="list-style-type: none"> Tap on 4 Convert... <p>This takes you to the TPS1200 Convert Data screen.</p> | |
| 2 | <p>In the TPS1200 Convert Data screen:</p> <ul style="list-style-type: none"> Tap on 2 Import ASCII/GSI Data to Job. <p>This takes you to the IMPORT Import ASCII/GSI Data to Job screen.</p> | |

Continued on next page

TPS1200 Quick Guide

3.1 Import ASCII/GSI Data to Job

| Step | Action | Display |
|------|--|--|
| 3 | <p>In the IMPORT Import ASCII/GSI Data to Job screen:</p> <p>The Import field allows you to choose between importing an ASCII file or a GSI file. In this example we will be importing an ASCII file.</p> <p>From File: Use this field to select which file to import.</p> <p>To Job: Use this field to assign a job that will receive the ASCII data.</p> <p>Header: Use this field to select whether the file has a header and if it does, up to ten header lines in the ASCII file may be skipped.</p> <p>The F2 (CONF) button allows you to define the contents of the file being imported.</p> <p>The F3 (VIEW) button allows you to view the file.</p> <ul style="list-style-type: none">• Tap on the From File field to select a file to import. <p>This takes you to the IMPORT ASCII Files screen.</p> |  |

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TPS1200 Quick Guide

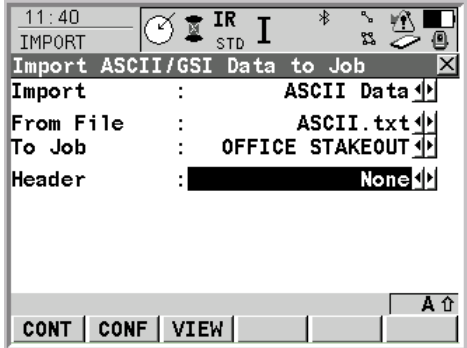
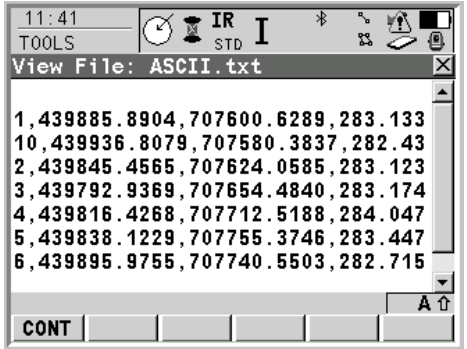
3.1 Import ASCII/GSI Data to Job

| Step | Action | Display |
|------|---|---------|
| 4 | <p>In the IMPORT ASCII Files screen:</p> <ul style="list-style-type: none"> Tap on the ASCII file to select it. <p>In this example we will be importing the ASCII file ASCII.txt.</p> <ul style="list-style-type: none"> Press the F1 (CONT) button. <p>This returns you to the IMPORT Import ASCII/GIS Data to Job screen</p> | |
| 5 | <p>In the IMPORT Import ASCII/GIS Data to Job screen:</p> <ul style="list-style-type: none"> Tap on the To Job field. <p>This takes you to the MANAGE Jobs (CF Card) screen.</p> | |
| 6 | <p>In the MANAGE Jobs (CF Card) screen:</p> <ul style="list-style-type: none"> Tap on the job to select it. <p>In this example we are importing the ASCII file into the job called OFFICE STAKEOUT. (To learn more about creating a job, see chapter 1 <i>TPS Quick Guide System 1200 Introduction</i>, section 1.7 <i>Job Management: Creating a Job</i>.)</p> <ul style="list-style-type: none"> Press the F1 (CONT) button. <p>This returns you to the IMPORT Import ASCII/GIS Data to Job screen.</p> | |

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TPS1200 Quick Guide

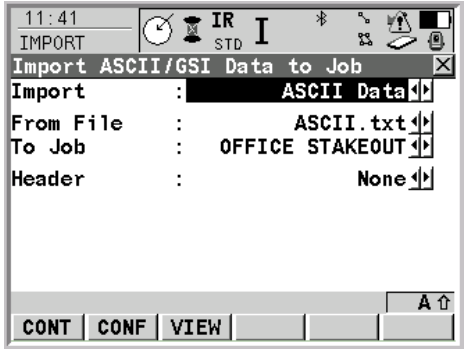
3.1 Import ASCII/GSI Data to Job

| Step | Action | Display |
|---|--------|--|
| <p>7</p> <p>In the IMPORT Import ASCII/GSI Data to Job screen:</p> <p>In this example, the ASCII file we are importing:</p> <ul style="list-style-type: none"> • has no header, • is in meters, • is comma delimited, and • has the format: point ID, northing, easting, and orthometric height. <p>We now see our job in the To Job field. Let's look at the ASCII file to see what it looks like.</p> <ul style="list-style-type: none"> • Press the F3 (VIEW) button. <p>This takes you to the TOOLS View File: screen.</p> | |  |
| <p>8</p> <p>In the TOOLS View File: screen:</p> <p>We can see this file is comma delimited, and is in the format of point ID, northing, easting, and height.</p> <ul style="list-style-type: none"> • Press the F1 (CONT) button. <p>This returns us to the IMPORT Import ASCII/GSI Data to Job screen.</p> | |  |

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TPS1200 Quick Guide

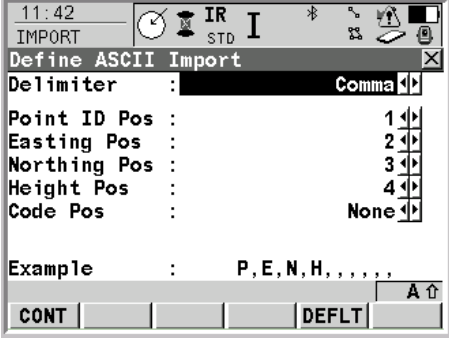
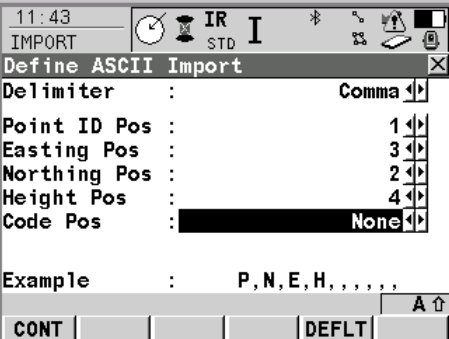
3.1 Import ASCII/GSI Data to Job

| Step | Action | Display |
|------|--|--|
| 9 | <p>In the IMPORT Import ASCII/ GSI Data to Job screen:</p> <p>Since we now know the format of the file, we can configure the instrument to import the file correctly.</p> <ul style="list-style-type: none">• Press the F2 (CONF) button. <p>This takes you to the IMPORT Define ASCII Import screen.</p> |  <p>The screenshot shows a terminal window titled 'IMPORT' with a subtitle 'Import ASCII/GSI Data to Job'. The main display area contains the following text: Import : ASCII Data From File : ASCII.txt To Job : OFFICE STAKEOUT Header : None At the bottom, there are several function keys: CONT, CONF, VIEW, and an arrow key (A ↑).</p> |

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TPS1200 Quick Guide

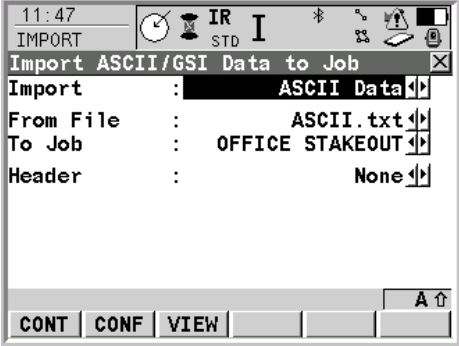
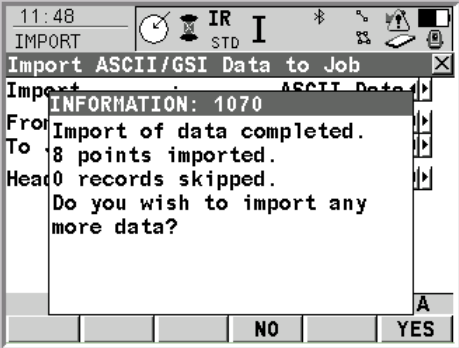
3.1 Import ASCII/GSI Data to Job

| Step | Action | Display |
|---|--------|--|
| <p>10</p> <p>In the IMPORT Define ASCII Import screen:</p> <p>We can see from the Example line that the instrument is expecting the format: point ID, easting, northing, and height, with no codes.</p> <p>But we know the file's format is point ID, northing, easting, and height so we must change the import parameters.</p> <ul style="list-style-type: none"> • Leave the Delimiter field as Comma. • Leave the Point ID Pos field as 1. • Change the Easting Pos field to 3. • Change the Northing Pos field to 2. • Leave the Height Pos field as 4. • Leave the Code Pos field as None. <p>After you make these changes you can see the result of these changes in the Example line.</p> <p>Once you have finished changing the import parameters,</p> <ul style="list-style-type: none"> • Press the F1 (CONT) button. <p>This returns you to the IMPORT Import ASCII/ GSI Data to Job screen.</p> | |   |

Continued on next page

TPS1200 Quick Guide

3.1 Import ASCII/GSI Data to Job

| Step | Action | Display |
|--|--------|---|
| <p>11</p> <p>In the IMPORT Import ASCII/ GSI Data to Job screen:</p> <p>We are now ready to import the ASCII file.</p> <ul style="list-style-type: none"> Press the F1 (CONT) button. <p>This imports the ASCII file, changes the format of the data into a System 1200 job, and displays a results-alert screen.</p> | |  |
| <p>12</p> <p>In the Import Information screen:</p> <p>You are presented with a choice of importing more data. Since we have no other points to import,</p> <ul style="list-style-type: none"> Press the F4 (NO) button. <p>This returns you to the Main Menu.</p> | |  |

TPS1200 Quick Guide

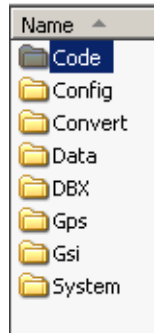
3.2 Transfer Objects

Introduction

This section describes how to use the Transfer Objects tool to transfer objects from the CF card to the system RAM of the sensor. In this example we will transfer a codelist. The procedure for transferring other objects to the system RAM is essentially the same as transferring a codelist.

The codelist that we are transferring was created in LGO (LEICA Geo Office) and transferred to the CF card. The codelist is then copied to the system RAM of the receiver. In this example the codelist we are transferring is titled **Lawrenceville**.

Codelists reside in the Code directory on the CF Card. See chapter 1, section 1.6 *CompactFlash (CF) Card directory Structure* to see where other System 1200 objects are stored.

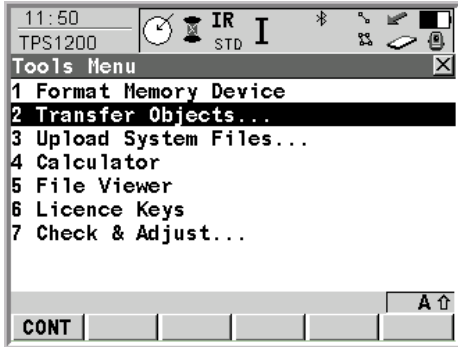

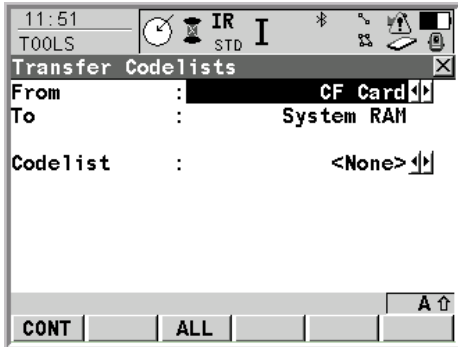


| Step | Action | Display |
|------|---|---|
| 1 | <p>From the Main Menu:</p> <ul style="list-style-type: none"> Tap on 6 Tools.... <p>This takes you to the TPS1200 Tools Menu.</p> | <p>The screenshot shows the 'Main Menu' of the TPS1200. At the top, it displays the time '11:50', the device name 'TPS1200', and various status icons including 'IR STD' and a battery level indicator. Below the title bar, there are six icons arranged in a 2x3 grid, each with a number and a label: '1 Survey' (surveyor), '2 Programs...' (document), '3 Manage...' (box), '4 Convert...' (pencil), '5 Config...' (gears), and '6 Tools...' (wrench and screwdriver). At the bottom, there is a 'CONT' button and a navigation arrow.</p> |

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TPS1200 Quick Guide

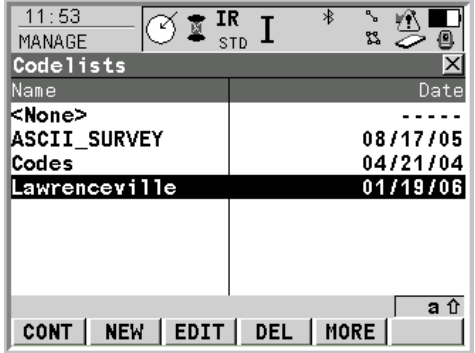
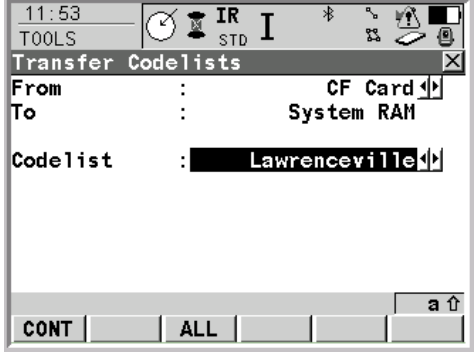
3.2 Transfer Objects

| Step | Action | Display |
|------|---|--|
| 2 | <p>In the TPS1200 Tools Menu:</p> <ul style="list-style-type: none"> • Tap on 2 Transfer Objects... <p>This takes you to the TOOLS Transfer Objects Menu.</p> |  |
| 3 | <p>In the TOOLS Transfer Objects Menu:</p> <ul style="list-style-type: none"> • Tap on 1 Codelists. <p>This takes you to the TOOLS Transfer Codelists screen.</p> |  |
| 4 | <p>In the TOOLS Transfer Codelists screen:</p> <p>F3 (ALL): Use this button to transfer all codelists residing in the Code folder on the CF card.</p> <ul style="list-style-type: none"> • Ensure the From field is CF Card. • Ensure the To field is System RAM. • Tap on the Codelist field to access the Manage Codelists screen. <p>This takes you to the Manage Codelists screen.</p> |  |

Continued on next page

TPS1200 Quick Guide


3.2 Transfer Objects

| Step | Action | Display |
|-----------------|---|--|
| <p>5</p> | <p>In the Manage Codelists screen:</p> <p>F2 (NEW): Use this button to create a codelist.</p> <p>F3 (EDIT): Use this button to edit the highlighted codelist.</p> <p>F4 (DEL): Use this button to delete the highlighted codelist.</p> <p>F5 (MORE): Use this button to display information about the creator and date of when the highlighted codelist was created.</p> <p>For more information on codelists, see the <i>TPS Technical Reference Manual</i>, chapter 6 <i>Manage...Codelists</i>.</p> <ul style="list-style-type: none"> • Tap on the codelist to be imported to select it. • Press the F1 (CONT) button. <p>This returns you to the TOOLS Transfer Codelists screen.</p> |  |
| <p>6</p> | <p>In the TOOLS Transfer Codelists screen:</p> <p>We now see the codelist in the Codelist field.</p> <ul style="list-style-type: none"> • Press the F1 (CONT) button. <p>This transfers the codelist to the system RAM of the instrument and returns you to the Main Menu.</p> |  |

Continued on next page

TPS1200 Quick Guide

3.2 Transfer Objects

| Step | Action | Display |
|------|--|--|
| 7 | <p>In the Main Menu:</p> <p>We see an alert message informing us that the transfer was successful.</p> |  <p>The screenshot shows the 'Main Menu' window with a status bar at the top displaying '11:54', 'TPS1200', and 'IR STD'. The menu contains six options: 1 Survey, 2 Programs..., 3 Manage..., 4 Convert..., 5 Config..., and 6 Tools... Below the menu, a message reads 'Transfer successfully completed' with a small 'a' icon and an upward arrow. At the bottom, there is a 'CONT' button.</p> |