



Target Import

By Bob Glover

One of the questions that seems to come up a lot in the Support department is whether it is possible to import target files from an Excel spreadsheet. The answer was always 'Yes', but it took good knowledge of the HYPACK® target file format and some sleight of hand using Excel. New for the HYPACK® 2011 release is an import function within the TARGET EDITOR that will let you bring in a text file exported from Excel or created in a text editor program. Either way, the results and the process will be the same.

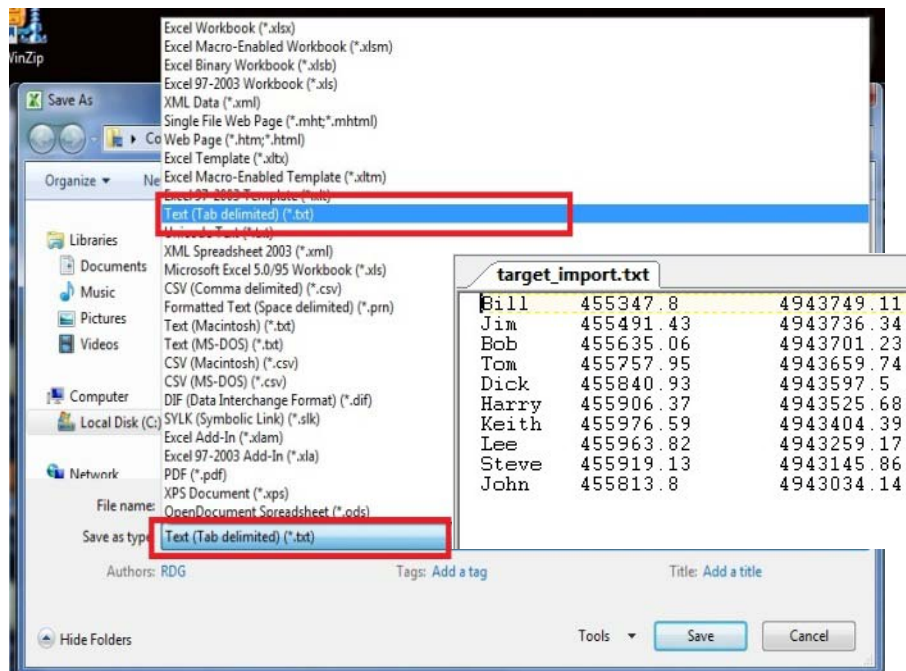
In this example, we will use an Excell spreadsheet as our starting point so the first thing we need is our spreadsheet with the target file information. Each record is just a simple target file with the minimum information needed for a valid target: a name and the X, Y position of each target. The Import feature can parse out other fields as well, but we will see how to do that later.

FIGURE 1. *Targets Defined in Excel*

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Bill	455347.8	4943749.11											
2	Jim	455491.43	4943736.34											
3	Bob	455635.06	4943701.23											
4	Tom	455757.95	4943659.74											
5	Dick	455840.93	4943597.5											
6	Harry	455906.37	4943525.68											
7	Keith	455976.59	4943404.39											
8	Lee	455963.82	4943259.17											
9	Steve	455919.13	4943145.86											
10	John	455813.8	4943034.14											

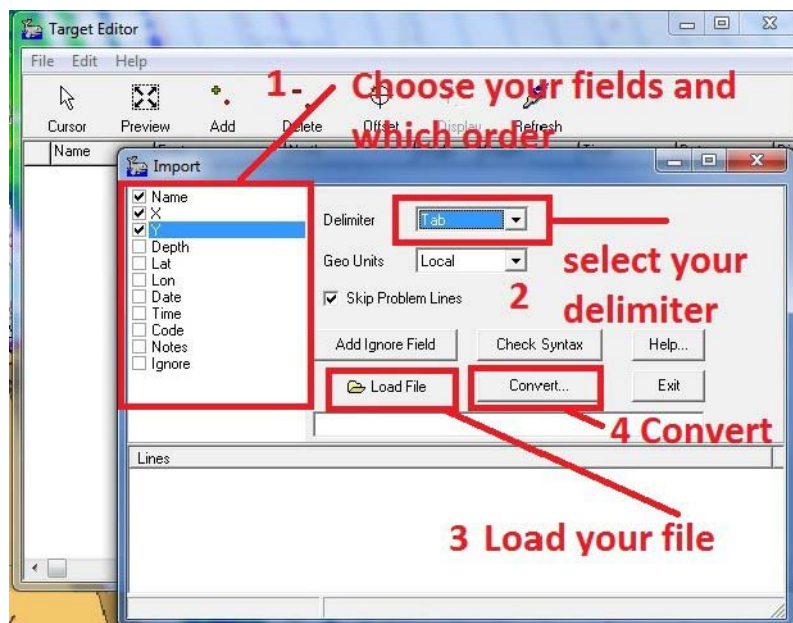
Once we have our target data in the spreadsheet, we are ready to save it out into a text document. Make sure that you choose the tab-delimited text format; it is the only Excel export format supported by the Import feature in the TARGET EDITOR. You can just save it to the place that is easiest for you to find.

FIGURE 2. Exporting Your Text Document (left), Resulting Text Document (right)



Now we can import the text file into the TARGET EDITOR as follows:

FIGURE 3. Importing Your Text File to the TARGET EDITOR



1. **Open the TARGET EDITOR** from the Editors menu in the HYPACK® shell. Select FILE-IMPORT. This will give us the dialog box which we will use to set up our import of the text document that we created earlier.
2. **Select and order the fields used to create your new target file.** Place a check in the box for each field in your text file you want to use to populate the target file. The fields can

be dragged into the order that they appear in your file. Our sample had only name and the XY positions so this is how we need to set them up for the import.

3. **Choose the correct delimited format.** Our file is tab-delimited so we must set the delimiter box to 'Tab'.

FIGURE 4. Importing the Text File to the TARGET EDITOR

4. **Load the text file.** Click [Load File] and navigate to the location of your file, select it and click [Open]. In the Lines area, you will see your targets as they appear in your file and you can inspect the syntax of your file.

5. **Check the syntax of your file against the field list.** (Optional)

- a. **Select a line** from the Lines area.
- b. **Click [Check Syntax].**

6. **Click [Convert]** and choose the file name that you would like for the newly created target file.

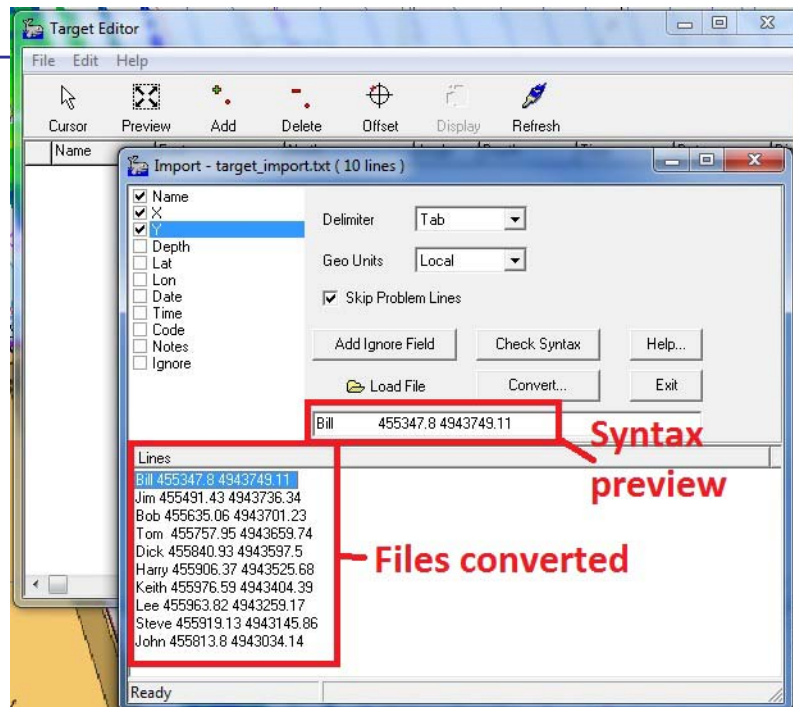
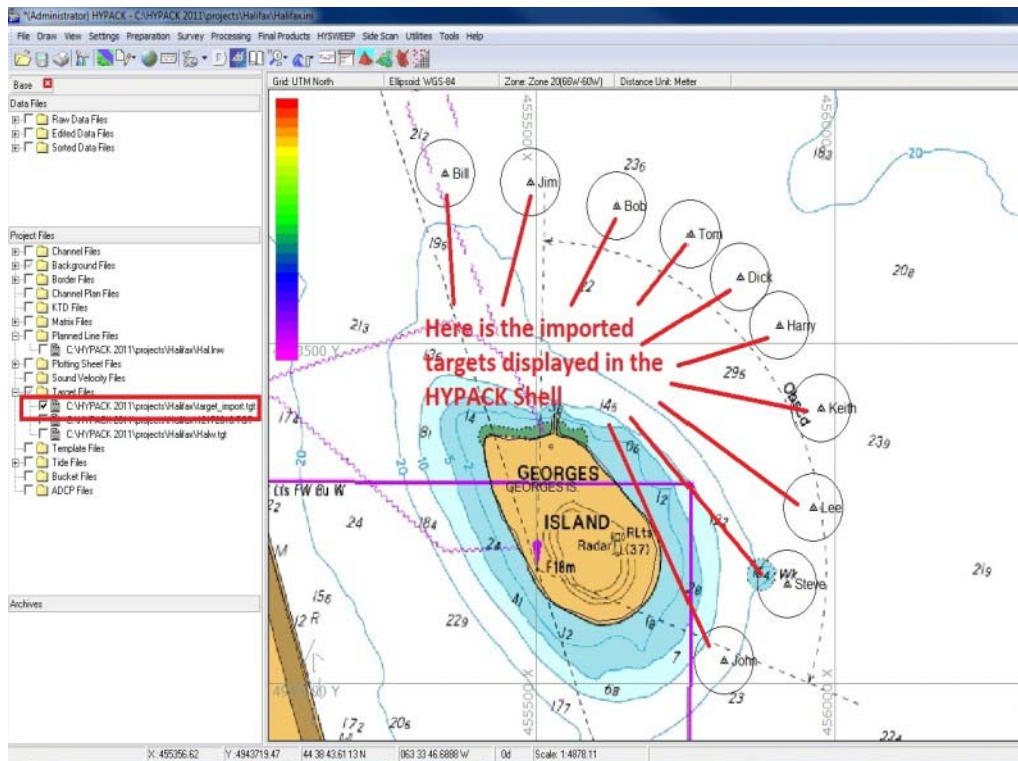


FIGURE 5. Our Target File Imported From the Original Excel Spreadsheet

Target Editor							
File Edit Help							
	Name	East	North	Angle	Depth	Time	Date
1	Bill	455347.80	4943749.11	0.00	0.00		
2	Jim	455491.43	4943736.34	0.00	0.00		
3	Bob	455635.06	4943701.23	0.00	0.00		
4	Tom	455757.95	4943659.74	0.00	0.00		
5	Dick	455840.93	4943597.50	0.00	0.00		
6	Harry	455906.37	4943525.68	0.00	0.00		
7	Keith	455976.59	4943404.39	0.00	0.00		
8	Lee	455963.82	4943259.17	0.00	0.00		
9	Steve	455919.13	4943145.86	0.00	0.00		
10	John	455813.80	4943034.14	0.00	0.00		

FIGURE 6. The Resulting Targets Displayed in the HYPACK® Shell



Should you have any further questions regarding the import function of the TARGET EDITOR, fee free to contact me at bob@HYPACK.com.