

Importing and Exporting Data to and from MAGNET Field: DS and PS



From here, select the preferred method of data transfer.

(2)



Survey and Setting-out data can be imported and exported via an open Magnet Field Job in two main ways:

• To/From Job



• To/From File



Exchange via 3D Machine Control and MAGNET Enterprise is not covered in this quick guide.





To/From Job



M	Select Job	×		Select Job		
	Current Job: DS Robotic Dob Name Farm House Survey 1 test Default1 PS Robotic Paced Ctake Test C:\\Aiji Magnet Jobs	Created: 10/09/2015 09:23 Modified: 01/28/2016 08:20 Demo Test Dat (Farmhouse		Type MAGNET Field Jo C:\Users\topcon DSi test.mjf Hiper V Test.mjf Job.mjf Localisation Test.m PS Robotic.mjf Name	bs (*.mjf) 2\Documents\MAGNET Field PC\Jobs Road Stake Test.mjf Sandhead.mjf Survey 1.mjf njf Etest.mjf	
			(1)			

If importing/exporting a **Job**, choose this from the list OR press **Browse** to search for an **.mjf** file.

Press the Green Tick to select the job.

(2)

Specific survey data included within the job can be selected/de-selected prior to transfer if required.

Press the **Green Tick** to Import/Export the data.





(3)

Survey data type and information is displayed once transfer has been successfully completed.



tel: 0845 4504300 email: techsupport@topconsokkia.co.uk web: www.topconpositioning.co.uk



To/From File





(1)

First select the **Data type** to be transferred. This is done from the drop-down list on the left of the screen.

If more than one type is required, select **Multiple**.



Select the **Format** of the file to be transferred.

Common **ascii**, **.csv**, **.dwg and .dxf** formats can be found on the drop-down list.









The option to import/export points as either **Design** or **Control** Points can be found under the **Settings** button.



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(4)

Depending on the format selected, different options to **Edit** the import/export data file style are available on the next screen.

Press the Green Tick to confirm.

M Text File Forma	at			
Delimiter Space	Comma	Tabs	Other	
Header in fi	rst row			
File Style				
Name,E(Lon),	N(Lat),Elev,Codes			
Delete	Edit	Add		
		<<	< Back	Next >>



(5)

Survey data type and information is displayed once transfer has been successfully completed.

Imported data can be viewed and verified prior to fieldwork/staking-out by using the **Edit** button and selecting the required feature parameters from the menu.







When importing and exporting data it is important to check that the coordinates are displayed correctly (whether **P**, **E**, **N**, **Z** or **P**, **N**, **E**, **Z**) and that the correct Projection or Localization for the job has been set.

Coordinate display order can be changed in the **Display** submenu within the **Configure** screen. Changes will affect all points and can be observed within the **Edit Points** menu.

		Display		💉 🗡
		Coord Type	Ground	
		Plane Coord Order	Easting,Northing,Height	
	⇒ 💆 –	Geod. Az. Origin	Northing,Easting,Height Easting,Northing,Height	
		Direction	Azimuth	
Configure	Display	CL Position	12+34.000	

Ensure the correct **Projection**, **Datum** or **Localization** for the job is set by entering the **Coordinate System** sub-menu within the **Configure** screen. If necessary amend via the drop-down lists and verify by pressing the **Green Tick**.

		Coordinate Syste	em		- 🖌 🔀
		Projection	<none></none>		
			UKO-OSTN02 SPAIN-30 UTM ETRS89		
		Datum	<none></none>	•	
		⇒			
		Geoid Model	<none></none>		
Configure	Coord Sys				

Be aware that exporting via **.csv** file from MAGNET Field will result in the format **P**, **N**, **E**, **Z** within the saved spreadsheet.

Import/export via Topcon Text Custom **.txt** format (step 4 above) allows the user to customise coordinate order and add new file styles to fit their requirements.

