# Import of positions/waypoints to Garmin MapSource

In order to import a list of positions/waypoints into Garmin MapSource, these will have to be in on a format readable for MapSource. This is a description of how to transform positions/waypoints in e.g. Excel into such a MapSource format, using GPSBabel.

**MapSource** is automatically installed when you install any of the maps located in [Y:\aves\Maps\Topo Pro - Ny kartserie Norge](file:///Y:\aves\Maps\Topo%20Pro%20-%20Ny%20kartserie%20Norge). After installing, make sure to upgrade to the newebst version by choosing *Check for Software Updates...* from the *Help* menu.

**GPSBabel** can be downloaded and installed from <http://www.gpsbabel.org/>

## Creating a template for your positions/waypoints

1. In *MapSource*, set the position format to the same as the one your data are on;
   1. Choose *Preferences* from the *Edit* menu (or *Ctrl+Shift+P*) and select the *Position* tab
   2. Set *Grid* to your desired format; this will typically be one of the *Lat/Lon* options, *MGRS* or *UTM*
   3. Click *OK*
2. Create an arbitrary waypoint with the Waypoint tool (Green flag)
3. Export this waypoint by choosing *Save As....* from the *File* menu*.* Set *Save as type* to *Text (Tab delimited) (\*.txt)*
4. Open this file from within *Excel*. In step 3 of the import dialog, make sure to set *Coloumns data format* to *Text* for all coloumns. You now have a template in which you can fill in your own positions/waypoints
5. To fill in your own data, copy the line with the waypoint data into as many rows as necessary and replace the *Name* and *Position* data
6. Remove any data in the Date Modified coloumn, as these will be saved in a wrong format by Excel (if you need to retain these data, you will have to edit the file produced in the next step and make sure that the dates are on the format *09/10/2012 02:00:00 PM*)
7. Save the file as *Text (Tab delimited) (\*.txt)*

## Converting the Excel-edited file to MapSource format

1. Open *GPSBabel*
2. Under *Input*, choose *File* and set *Format* to *Garmin MapSource – txt (tab delimited)*
3. Locate the file you made above using the *File Name(s)* button. Leave *Options* and *Translation Options* unaltered
4. Under *Output*, choose *File* and set *Format* to *Garmin MapSource – gdb*
5. Click the *File Name* button and specify a name and location for the converted file. Leave *Options* unaltered
6. Click the *Apply* button and hope that you will see some lines in the panel above, of which the last reads *Translation successful*
7. You may now open the new, converted file from within *MapSource*. There you also have the option to view the waypoints in Google Earth (requires Google Earth to be installed on the computed); choose *View in Google Earth...* from the *View* menu