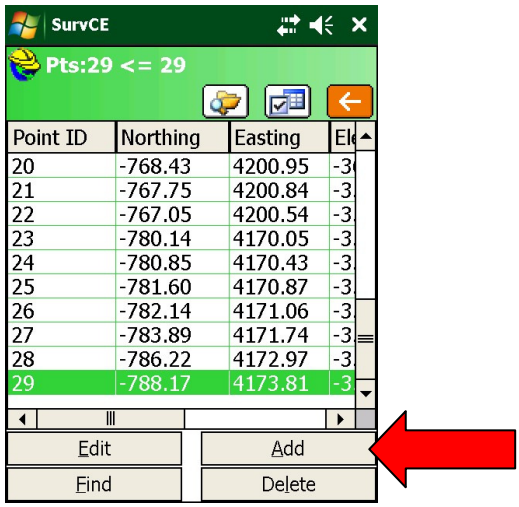
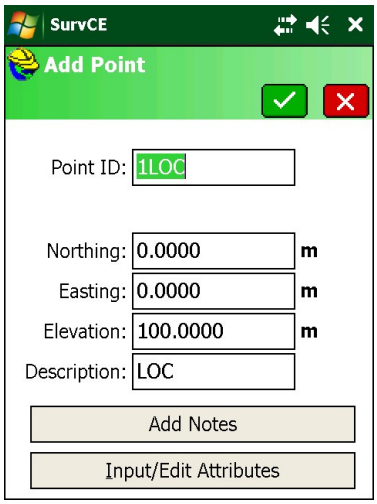
SurvCE

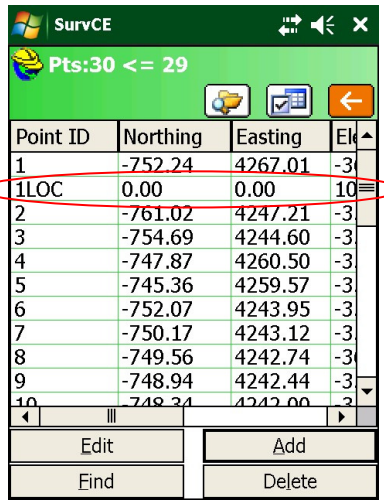
Creating a local system of coordinates

After creating a new job with usual settings, using, for example UTM\WGS84 with Automatic Zone Selection, and once surveyed the points of interest (also only the first surveyed point would suffice), we are proceeding to verify the points present in the point database; select from “File” menu the “Points” sub-menu;



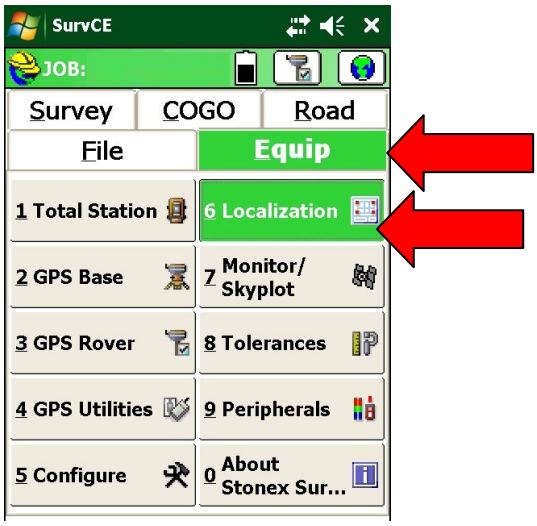
Now by clicking on “Add”, we are going to insert manually a point in local coordinates (pay attention: at least one coordinate should be different from zero);

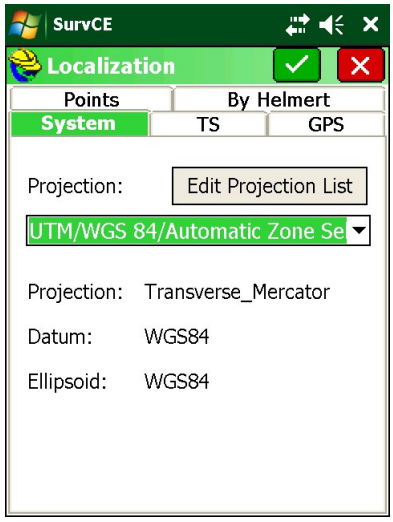




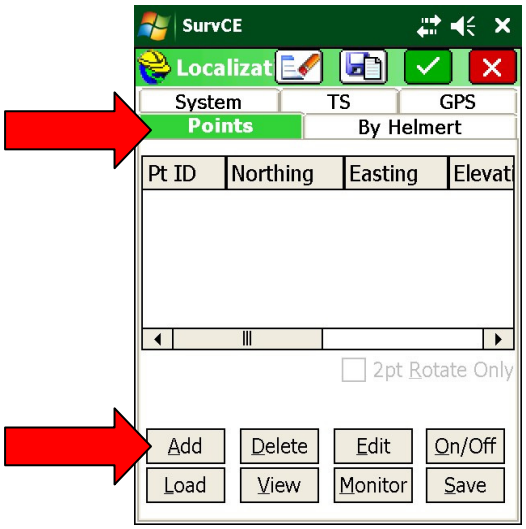
In point database should now be present the point we added, which is the point on which we are going to create our local projection.

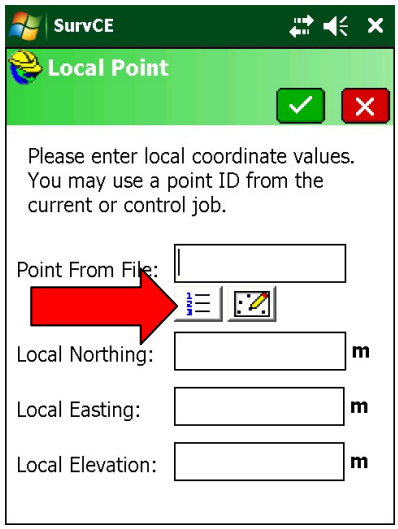
Then, we return to main menu and we select “Equip” → “Localization”;



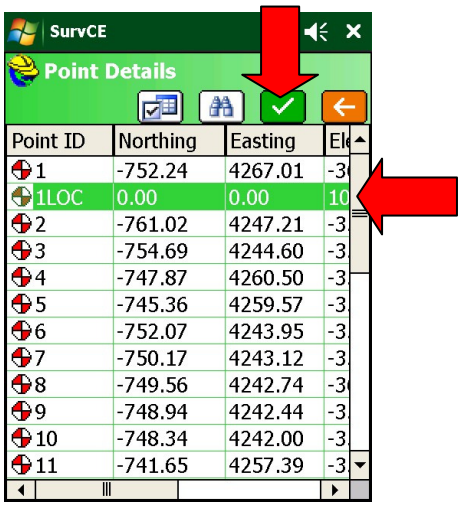


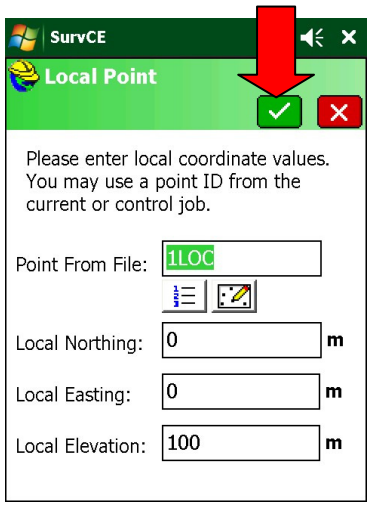
After that we select “Points” and then “Add”, then select the icon with the numeric list;

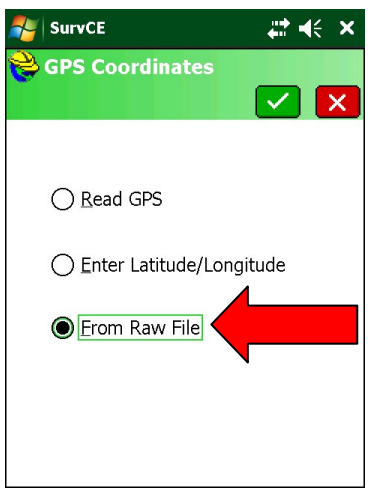




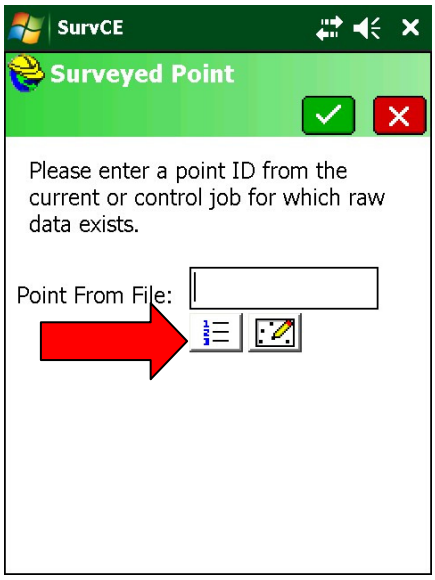
From the list select the point with local coordinates (the same that we previously inserted), then confirm to select the GPS point to which we will associate this local point; we will do this, when in the next page, by selecting the option “From Raw File” and by confirming the selection;

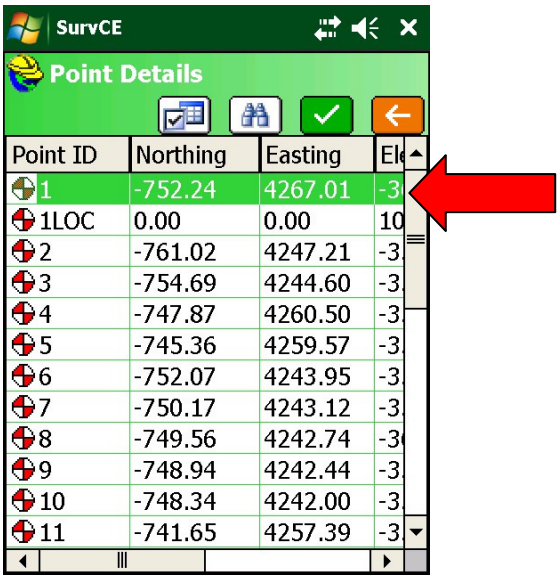


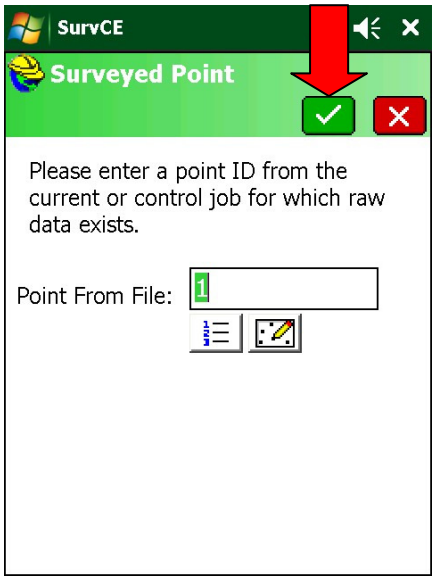


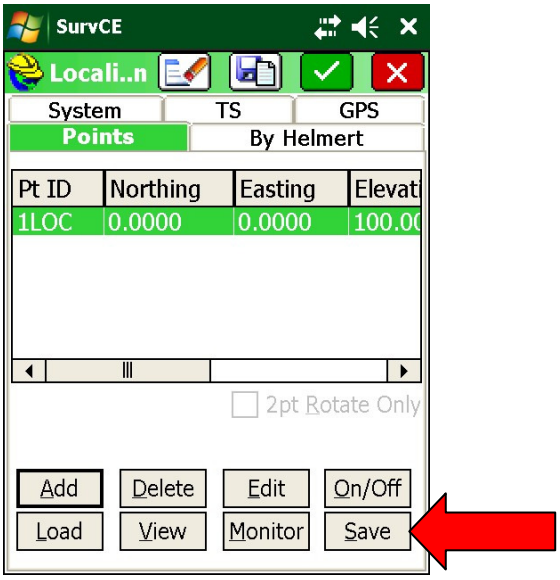


Select the icon with numeric list or insert directly the name of the GPS point in the box;

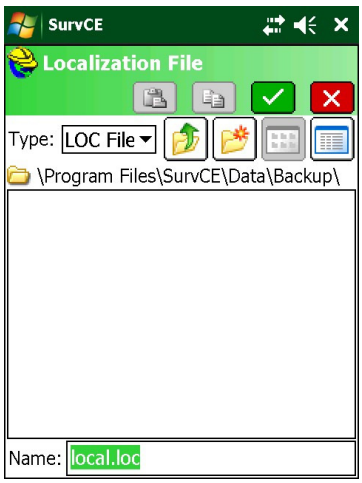


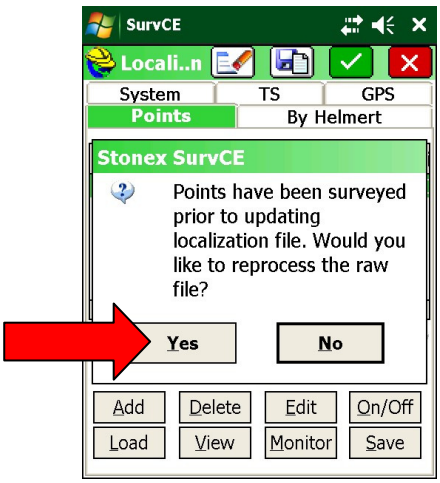






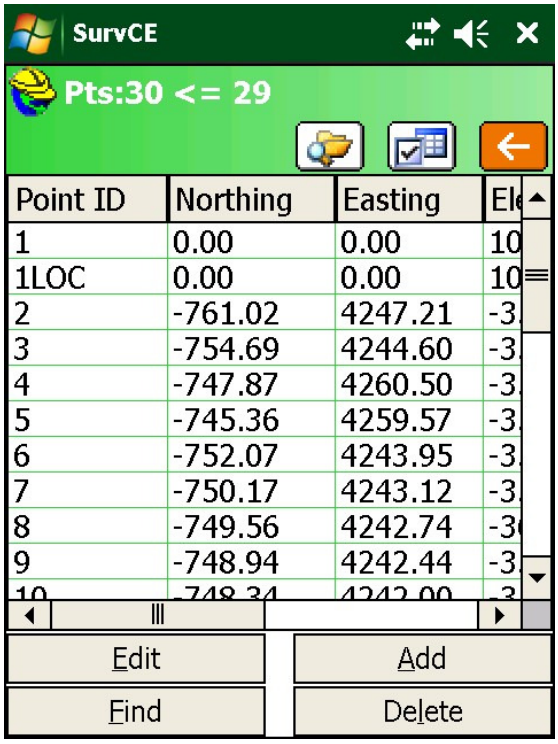
Now it is possible to save (by clicking on the button “Save” , see previous picture) a Localization file, which contains the parameters that define the local projection of our system and so, redefine the coordinates of all surveyed points;





During the conversion process will appear various intermediate windows with settings to confirm: leave all the settings as default and confirm always with  or  .

Now, all the measured points, and also those which will be measured after, are in local coordinates.



For any issue please contact us at our Support Service at number +39 (0)39-2783008 or by email at address support@stonex.it .