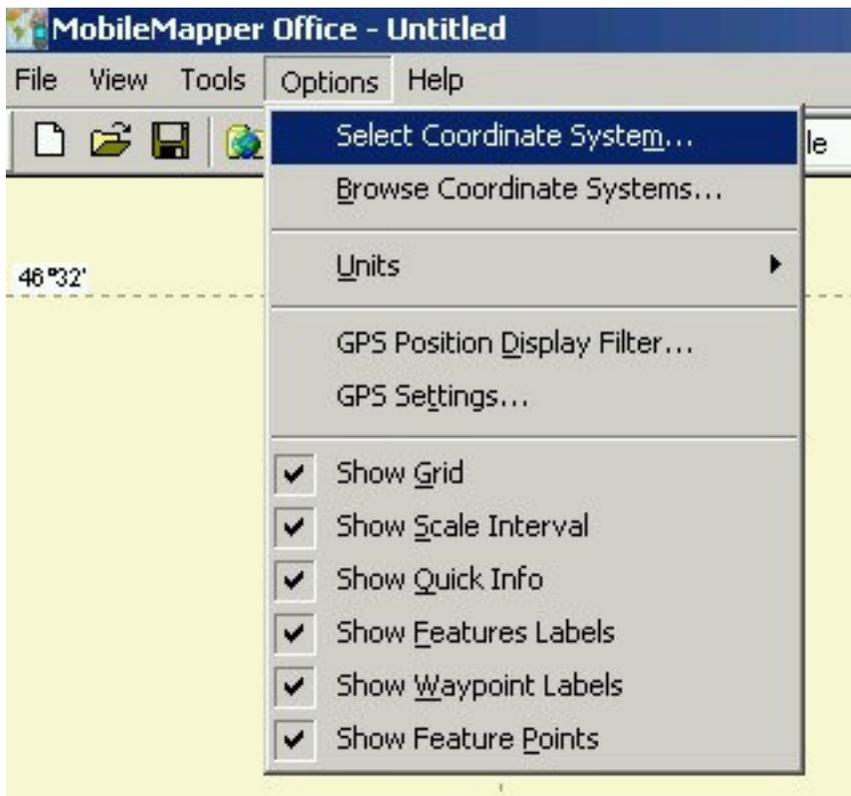


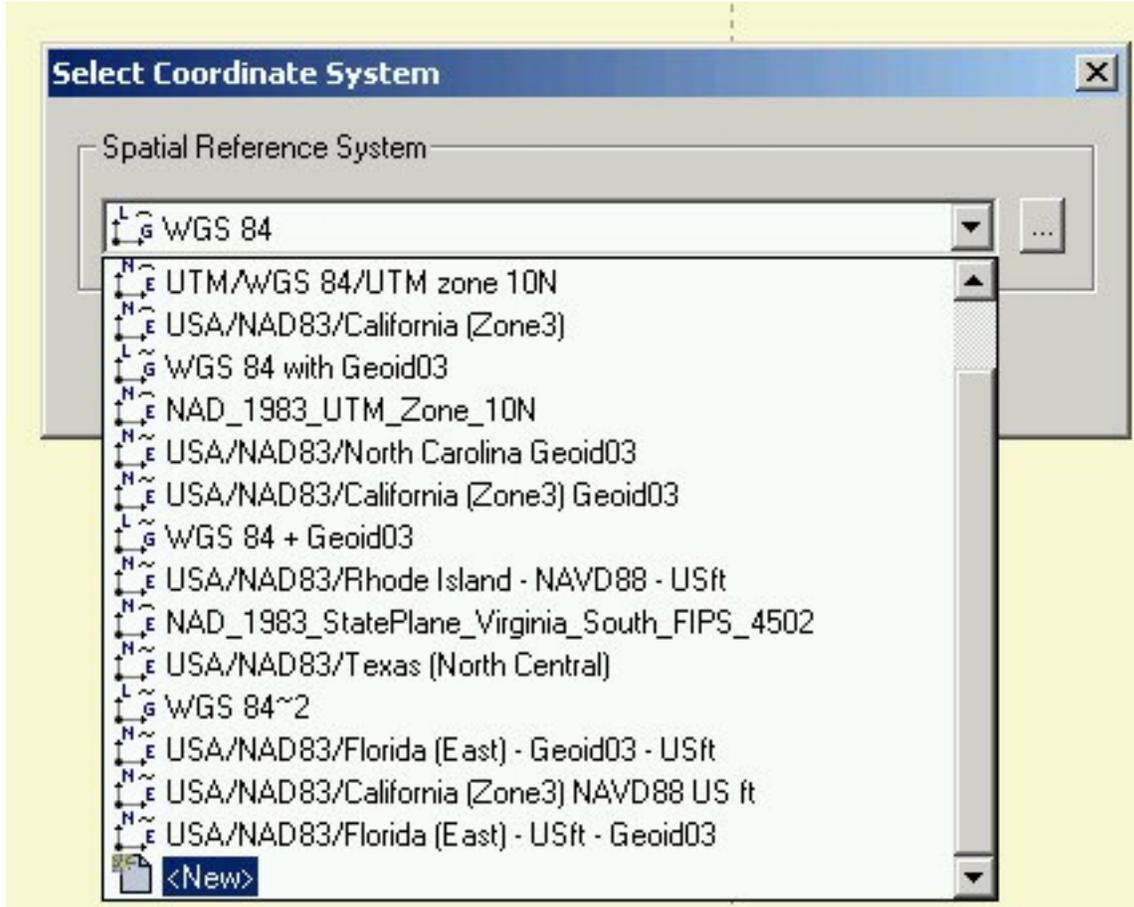
Customizing the coordinate list & Selecting a geoid model in MobileMapper Office

Not everybody wants to use WGS84 latitude and longitude with ellipsoid heights for their projects. Fortunately, MobileMapper Office provides a way to customize the coordinate list, choose a geoid model file, and change the units of measure for the coordinates.

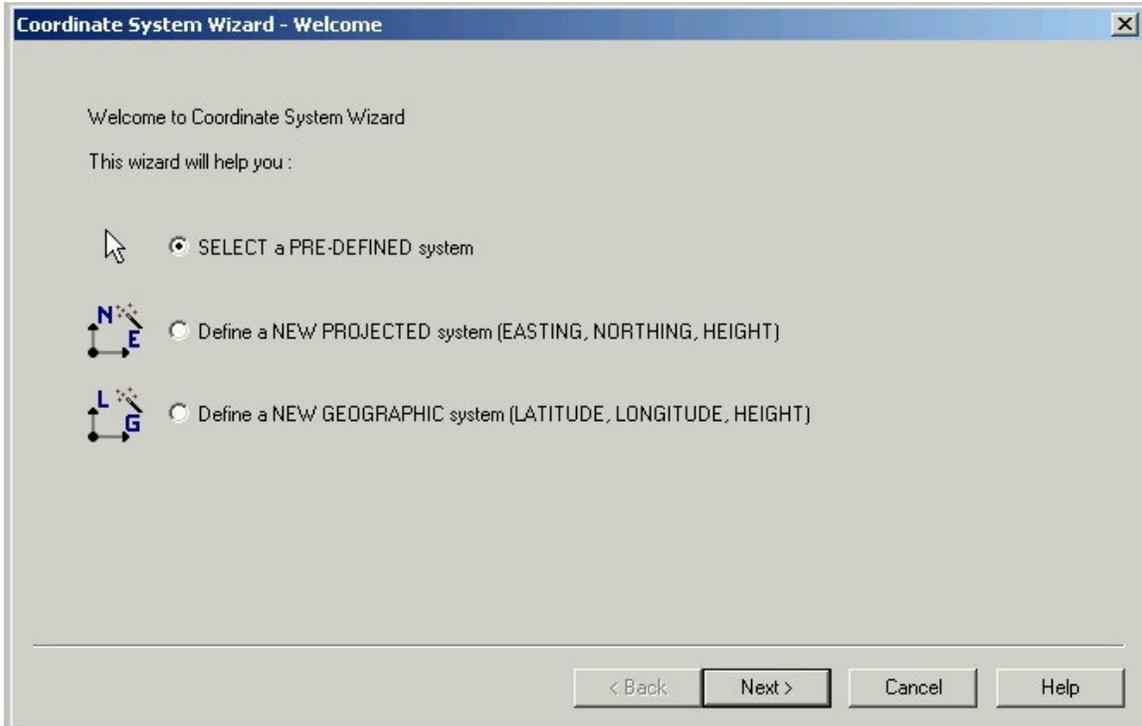
Under the Options menu choose Select Coordinate System



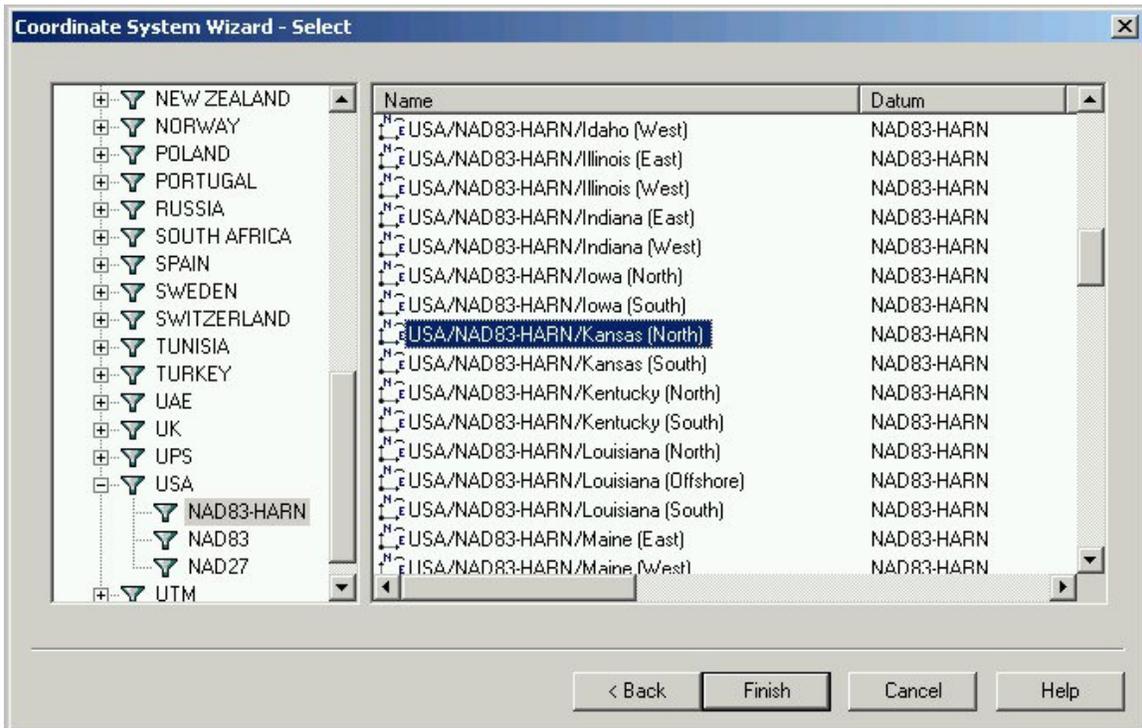
If the coordinate system you want to use is not on the list you can select a <New> system.



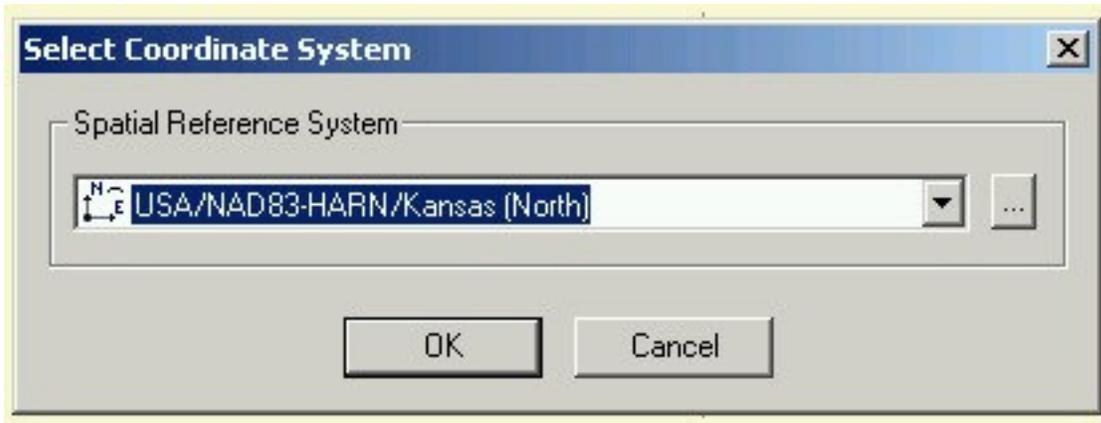
After clicking on <New> a dialog box appears that allows us to choose a predefined system from a list.



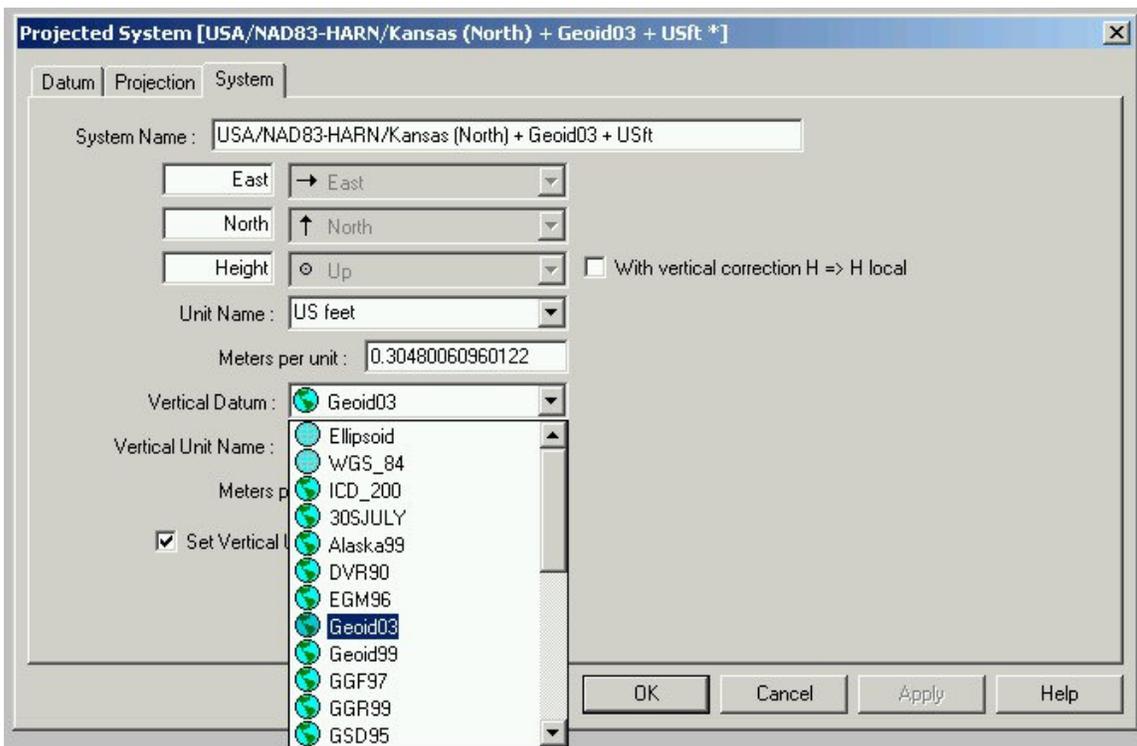
A click on the Next button will open the list.



For this example the selection is NAD83-HARN Kansas North Zone state plane coordinates. A click on the Finish button shows the coordinate system selected for the project.



But this does not automatically mean everything is ready. There is a button with three dots near the right edge of the dialog box. A click on that button brings up another dialog with more choices to make.



Edit the system name to make it meaningful for this project and the next project too. Choose the Unit Name, Vertical Datum, and verify the settings for your customized coordinate system. With all the changes made it is time to apply the new system to the project.

Projected System [USA/NAD83-HARN/Kansas (North) + Geoid03 + USft *]

Datum | Projection | System

System Name : USA/NAD83-HARN/Kansas (North) + Geoid03 + USft

East → East

North ↑ North

Height ⊙ Up With vertical coordinate

Unit Name : US feet

Meters per unit : 0.30480060960122

Vertical Datum :  Geoid03

Vertical Unit Name : US feet

Meters per unit : 0.30480060960122

Set Vertical Unit = Horizontal Unit

The next time you click on Select Coordinate System the one with the name you gave it will be on the list.

Phil Stevenson
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