WP-CAD-00063 February 2012

White Paper

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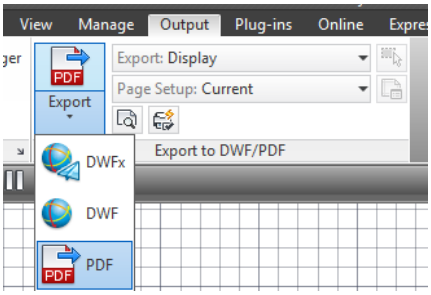
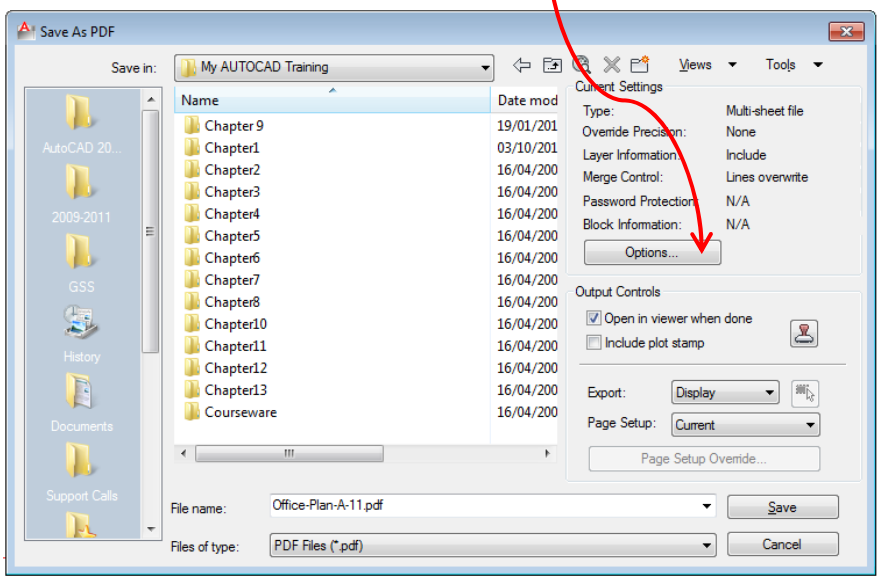
Increasing Precision/Resolution of PDF and DWF Output

AutoCAD Users

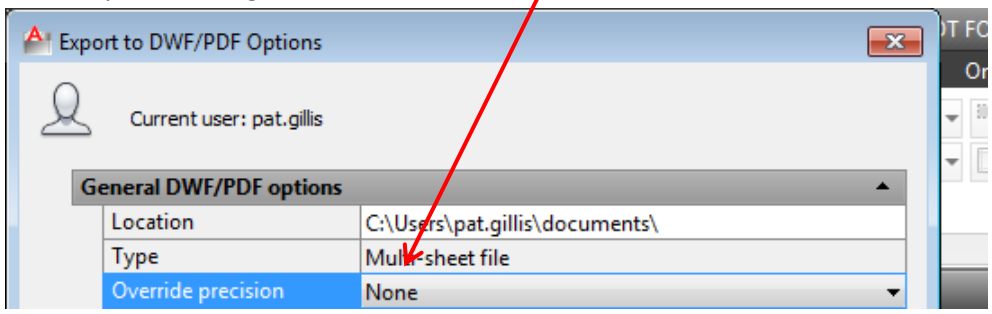
1. The first step is to initiate *PDF* or *DWF* output...here I am using the *Export* options on the *Output Tab* of the 2012 *Ribbon*...



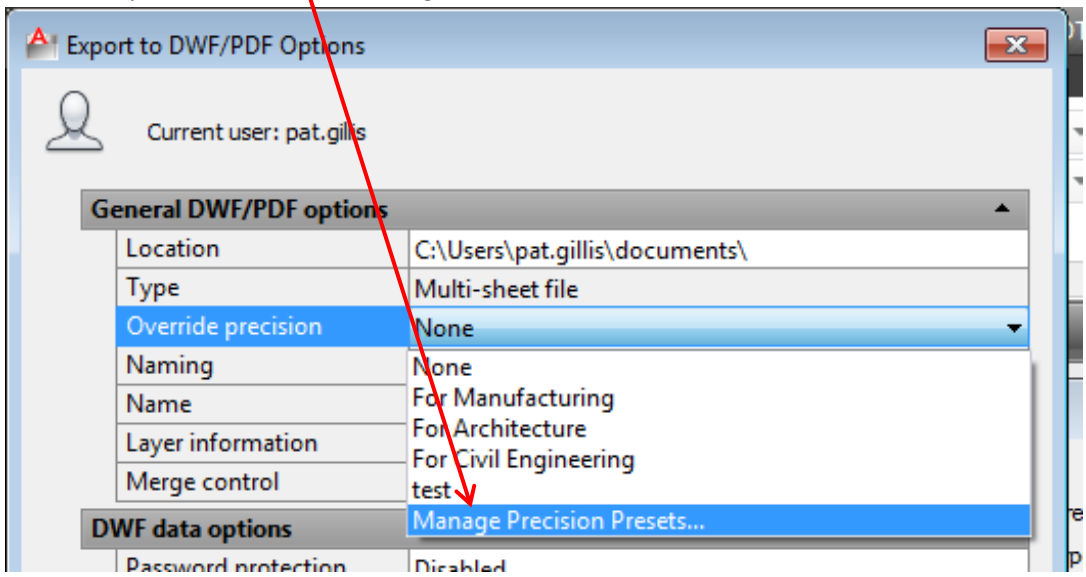
2. In the resulting dialogue box, select *Options*...



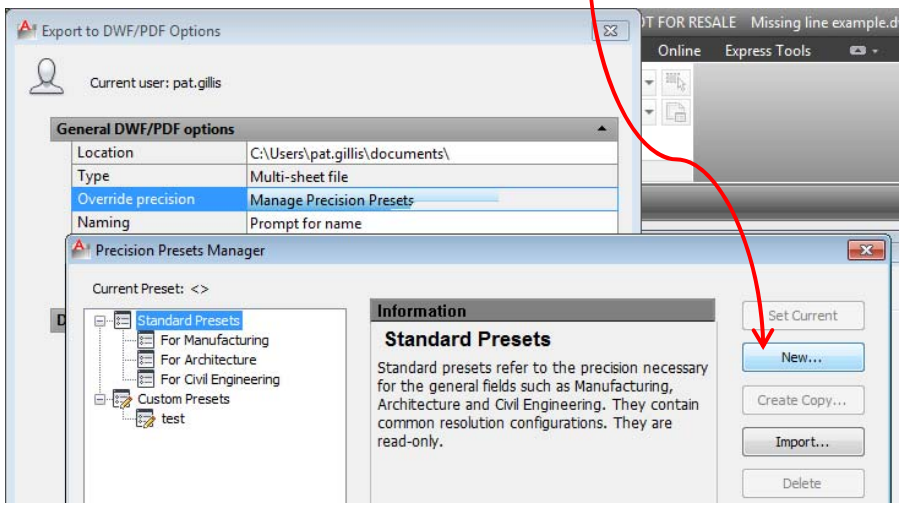
3. In the *Options* dialogue, next to *Override Precision*, select *None*



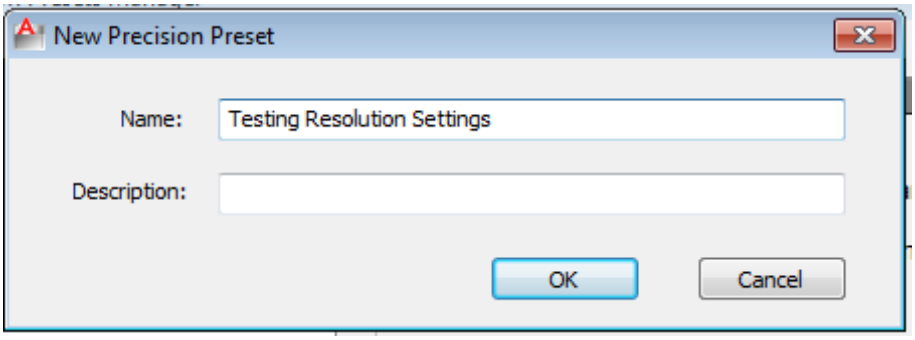
4. In the drop-down list, select *Manage Precision Presets*...



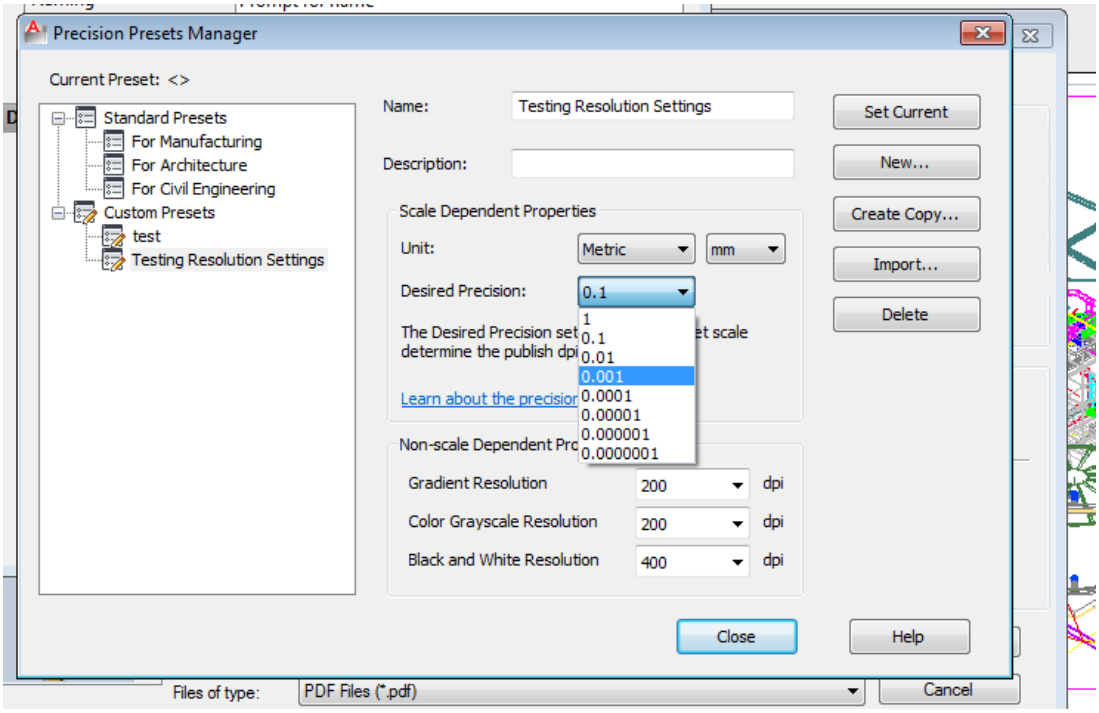
5. In the *Precision Presets Manager*, click on "*New...*"



6. In the dialogue box, enter a suitable name/description

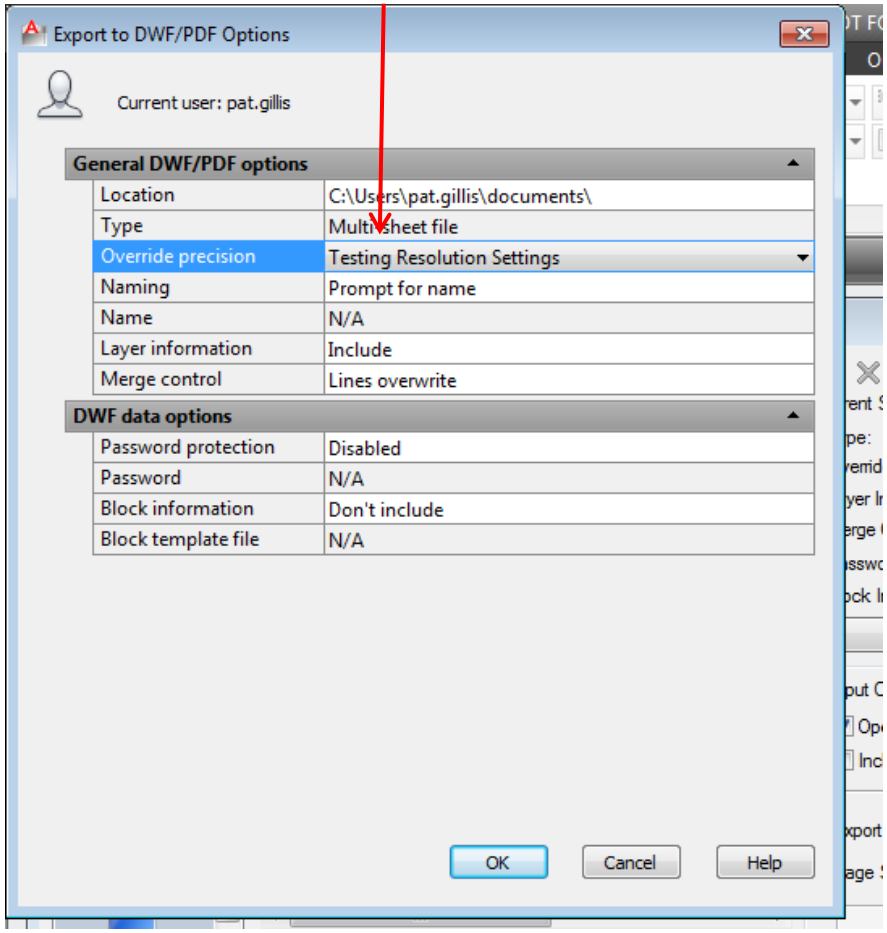


7. Modify the precision settings...also, try modifying the individual resolution settings either alone, or with changes to the precision...the files will be increasingly larger as the refinement increases though...



8. Click *Close*

9. Select the new printing preset and test out the settings...



10. Although you may not be using 3D, for those users who are, the next item may help improve the accuracy of their hidden/shaded output...

    There is a System Variable named HIDEPRECISION which also affects the accuracy resulting from hiding 3D Solids in AutoCAD...Information from the User Guide is shown below...

    - HIDEPRECISION has an Initial value of 0
    - It is used to control the accuracy of hides and shades.
    - Hides can be calculated in double precision or single precision.
    - Setting HIDEPRECISION to 1 produces more accurate hides by using double precision, but this setting also uses more memory and can affect performance, especially when hiding solids.
    - 0 Single precision; uses less memory
    - 1 Double precision; uses more memory

    End