

CADD Specifications for MicroStation V8

CONFIGURATION SET-UP FOR MICROSTATION V8

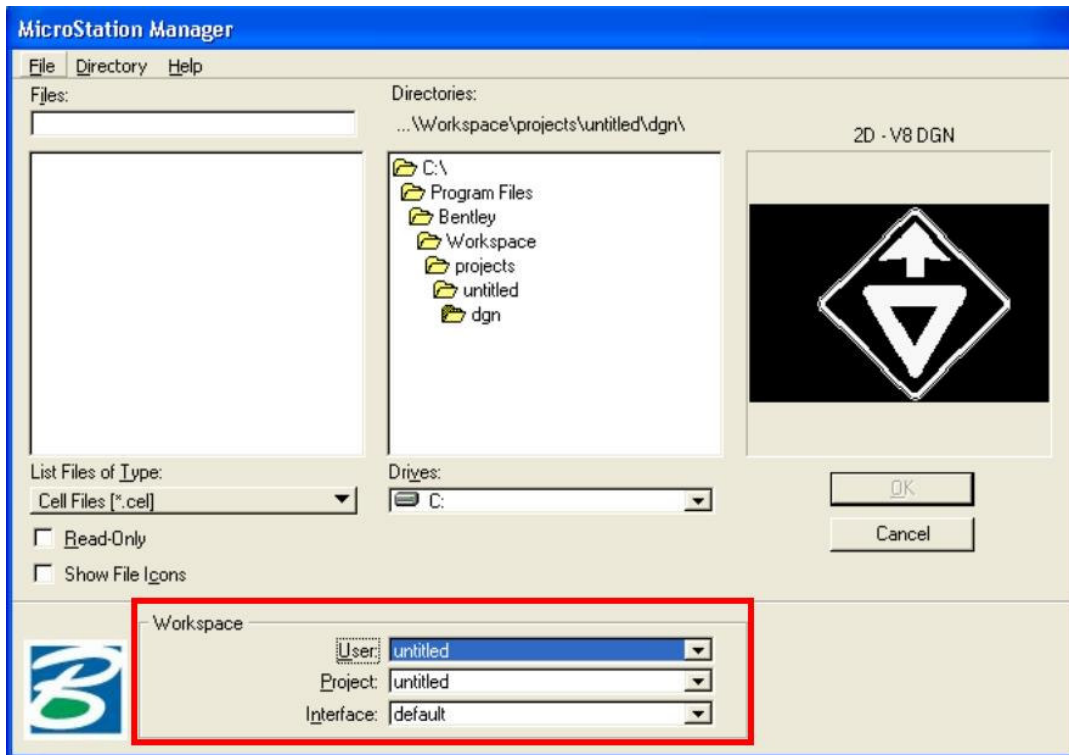
This document describes how to configure MicroStation to implement CADDs
Microstation V8 Specifications in CAD user's environment.

Depending on your CADD system set-up, the configuration files can reside on a local machine or a server. I will focus on configuring the files on a local machine.

In the examples below I created a directory on the local drive C:\CADDs. Into this directory I copied all folders that were provided in the CD package, containing all standard cells libraries, dgnlibs, data files, etc.

Steps:

1. Copy the **CADDs** directory from the CD to the **C: drive** on the local computer.
2. Start MicroStation V8

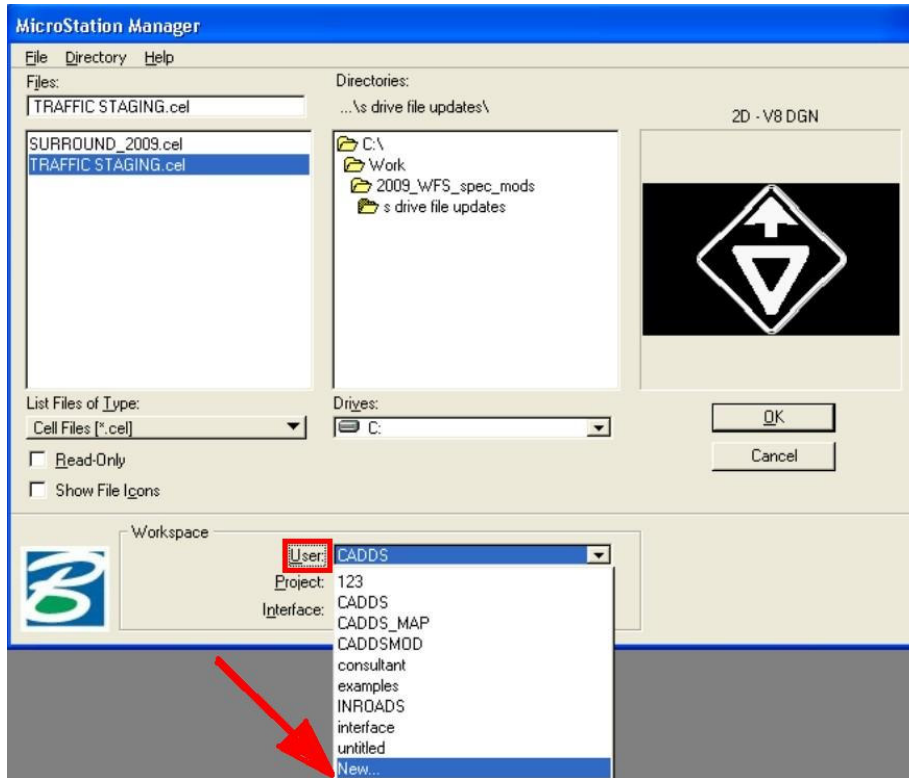


MicroStation Manager Window

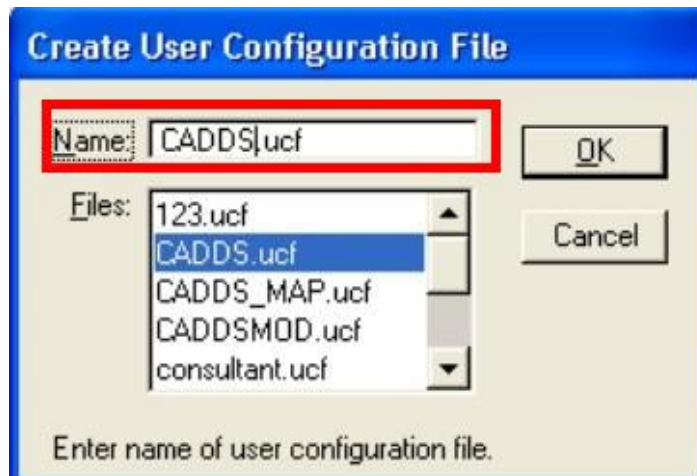
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3. Once the MicroStation Manager Window opens, create a new user called CADDs and new project called CADDs_Metric as described below:

- From the default interface as per example below, click on the **USER** pull down arrow and select “New”:

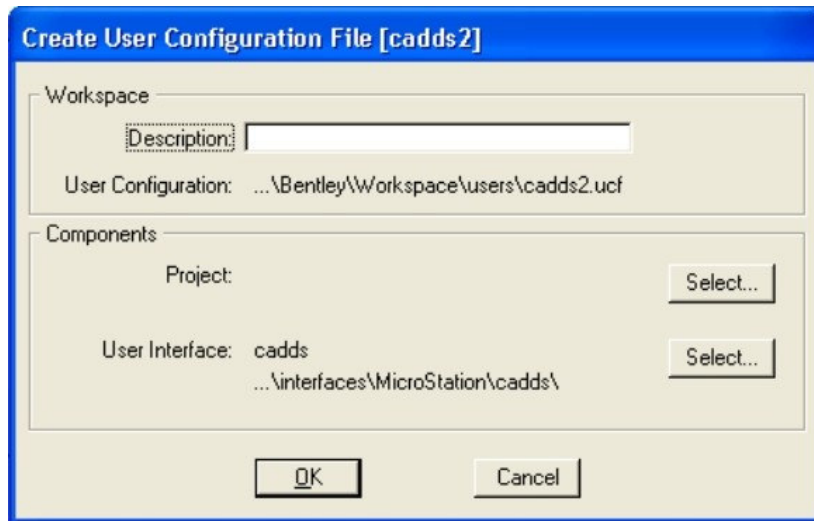


- In the next popup dialog box you will be prompted to create a new user configuration (.ucf) file. Call this file “CADDs” and click OK.



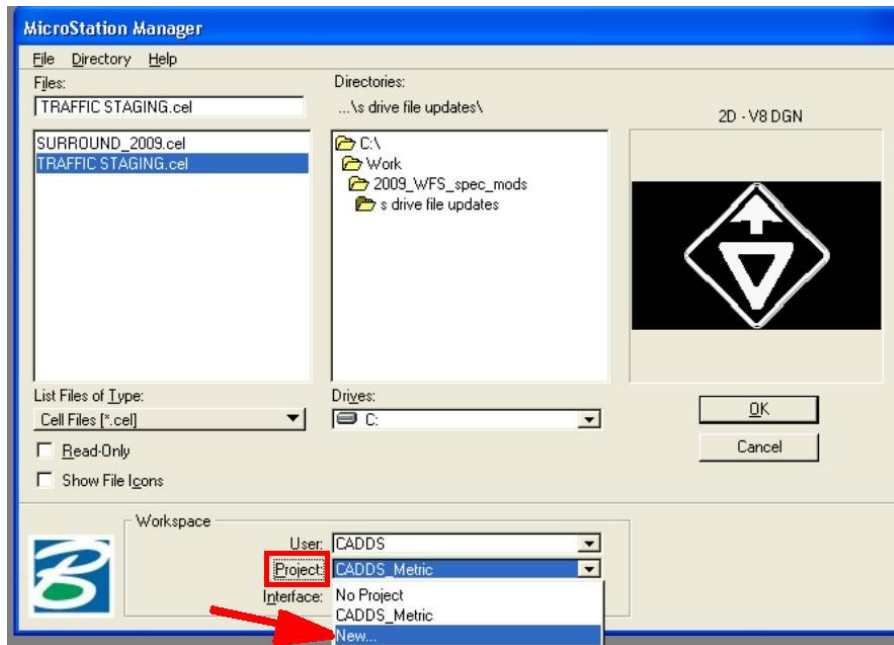
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- Another popup window will appear – here you will be asked to describe the workspace, select a project and a user interface:
 - Leave the description blank
 - At this point no project has been created so leave it blank as well
 - Use the default interface



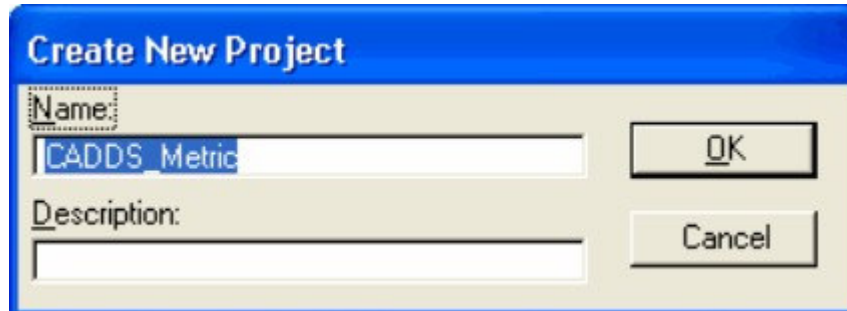
Click OK.

- Once back at the MicroStation Manager window, go to the **PROJECT** pull down arrow and select “New”.



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- Another popup window will appear – here you will be asked to name the **Project**.
 - Call the project “**CADDS_Metric**”
 - Leave the description field blank



4. Once the User and Project have been created **close** MicroStation.
5. Copy **CADDS.ucf** and **CADDS_Metric.pcf** from **CD's - !!!CONFIG** folder to the locations listed below, replacing (overwriting) the CADDS.ucf and CADDS_Metric.pcf files you just created:

For MicroStation V8 2004

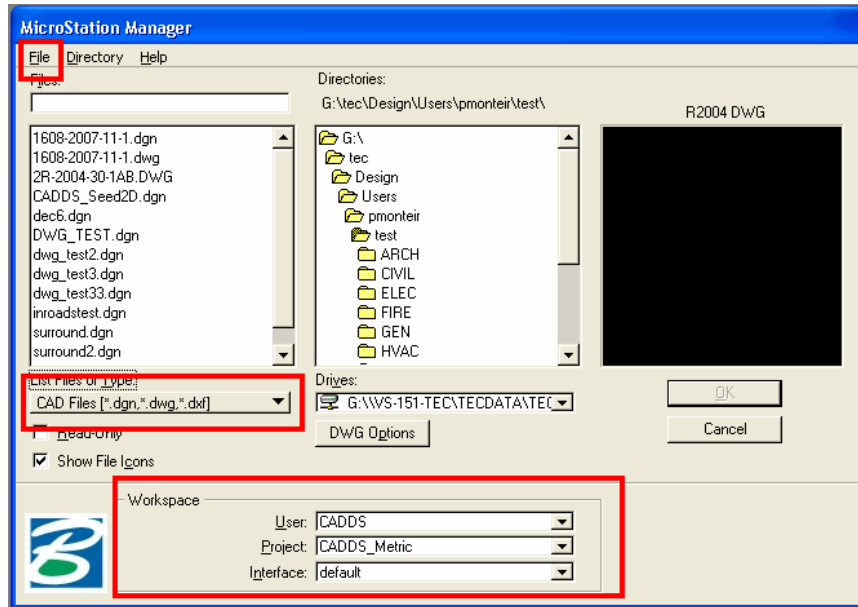
C:\Program Files\Bentley\Workspace\Users\CADDS.ucf
C:\Program Files\Bentley\Workspace\Projects\CADDS_Metric.pcf

For MicroStation V8 XM

C:\Documents and Settings\All Users\Application Data\Bentley\Workspace\Users\CADDS.ucf
C:\Documents and Settings\All Users\Application Data\Bentley\Workspace\Projects\CADDS_Metric.pcf

6. Now start MicroStation again and once the MicroStation Manger window displays, make sure to choose **CADDS** for the **USER** and **CADDS_Metric** for the **Project**. Example shown on next page.

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All the configuration variables will now point to the right directories and files defining the WFS MicroStation V8 environment as per the standard specifications.

Below is the directory tree included under the main CADD5 configuration folder:

<ul style="list-style-type: none"> [-] folder cd contents <ul style="list-style-type: none"> [-] folder !!!CONFIG [-] folder CADD5 <ul style="list-style-type: none"> [-] folder standards <ul style="list-style-type: none"> [-] folder cell [-] folder data [-] folder dgn [-] folder dgnlib [-] folder image [-] folder macros [-] folder materials [-] folder mdl [-] folder plotdrv [-] folder Project_Config [-] folder reports [-] folder Seed [-] folder symb [-] folder Tables [-] folder vba 	<ul style="list-style-type: none"> Copies of the CADD5.ucf & CADD5_Metric.upf files All Cell Libraries CADD5 colour (palette), units and scale definition files Output Directory CADD5_Dim, CADD5_Levels, CADD5_TextStyles Output Directory Macro Directory Material and Pattern Directory MDL directory (not part of regular install) Plot drivers Directory location for CADD5 project configuration Report directory for specification checker Seed file directory Resource file directory Plot table directory Macro VBA files (not part of regular install)
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The main configuration file (under the Project_Config directory) contains location information for various pointers to enable MicroStation to read all the directories and files shown above. Below is a snapshot of the file which may be edited using Window's Notepad executable:

```
CADDS_Variable = c:/CADDS/standards/
```

```
# Set CADDS File Directory. This directory should be edited to the directory  
# where the CADD Services directory structure is located if it is not S:/cad/bentley/v8/CADDS.
```

```
#MicroStation V8 Project Level Configurations
```

```
#=====
```

```
MS_LEVEL_LIB_DIR          = $(CADDS_Variable)dgnlib/  
MS_SYMBRSRC               > $(CADDS_Variable)symb/*.rsc  
MS_DGNLIBLIST             = $(CADDS_Variable)dgnlib/CADDS_Levels.dgnlib  
MS_DGNLIBLIST             > $(CADDS_Variable)dgnlib/CADDS_TextStyles.dgnlib  
MS_CELL                   = $(CADDS_Variable)cell/general.cel  
MS_CELLLIST               = $(CADDS_Variable)cell/*.cel  
MS_DEFCTBL                = $(CADDS_Variable)data/CADDS_color.tbl  
MS_DESIGNSEED             = $(CADDS_Variable)seed/Metric/CADDS_Metric_2D.dgn  
MS_SEEDFILES              = $(CADDS_Variable)seed/Metric/  
MS_CUSTOMUNITDEF         = $(CADDS_Variable)data/units_CADDS.def  
MS_CUSTOMSCALEDEF        = $(CADDS_Variable)data/Metric/scales_met_CADDS.def  
MS_VBASEARCHDIRECTORIES = $(CADDS_Variable)VBA/*.mvba  
MS_MACRO                  = $(CADDS_Variable)Macros  
MS_PENTABLE               = c:/CADDS/standards/tables/  
MS_CELL                   = $(CADDS_Variable)cell/  
MS_SYMBRSRC = $(_USTN_SYSTEMROOT)symb/acadlsty.rsc  
MS_SYMBRSRC > $(_USTN_SYSTEMROOT)symb/font.rsc  
MS_SYMBRSRC > $(_USTN_SYSTEMROOT)symb/internat.rsc  
MS_SYMBRSRC > $(_USTN_SYSTEMROOT)symb/lstyle.rsc  
MS_SYMBRSRC > c:/CADDS/standards/symb/aclstyle.rsc  
MS_SYMBRSRC > c:/CADDS/standards/symb/cadds_font.rsc  
MS_SYMBRSRC > c:/CADDS/standards/symb/cadds_linestyles.rsc  
MS_DEF                    = c:/work/  
MS_OPENV7 = 0  
MS_DESIGNSEED             = $(CADDS_Variable)seed/metric/CADDS_Seed2D.dgn  
MS_TRANSEED               = c:/CADDS/standards/Seed/Metric/CADDS_Seed2D.dgn  
MS_REMAP_CSVFILE         = c:/CADDS/standards/data/convert.csv  
MS_PLTR                   = c:/CADDS/standards/plotdrv/printer.plt  
MS_DGNLIBLIST             = c:/CADDS/standards/dgnlib/cadds_dim.dgnlib  
MS_DGNLIBLIST             > c:/CADDS/standards/dgnlib/cadds_levels.dgnlib  
MS_DGNLIBLIST             > c:/CADDS/standards/dgnlib/cadds_textstyles.dgnlib  
MS_PLOTDLG_DEF_PLTFILE   = c:/CADDS/standards/plotdrv/printer.plt  
MS_DGNAPPS = $(MSDIR)mdl sys/asneeded/synchbylevel.ma  
MS_STANDARDSCHECKER_SETTINGSFILE = c:/CADDS/standards/dgnlib/Standards_Check.dgnlib  
MS_STANDARDSCHECKER_STYLESHEET = c:/CADDS/standards/reports/CADDSstandardschecker.xml
```

*** The MS_DGNAPPS = \$(MSDIR)mdl sys/asneeded/synchbylevel.ma variable points to a preloaded MDL application that will synchronize the levels and symbology for those levels automatically. This is a useful component for standardization in MicroStation.

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As you can see the pointers within the Project Config file direct MicroStation to look for particular files under the CADDs directory structure you copied from the CD. If this installation is to be done over a network server these paths need to be changed. The local configuration files mentioned in #10 & #11 will also have to be modified to read the server location. Contents of the CADDs.ucf file:

```
#-----CADDs Declared Variables-----
BENTLEYROOT           = c:/Program Files/Bentley/
PROJ_DATA              = C:/WORK/
_USTN_PROJECT         = C:/CADDs/Standards/Project_Config/

#-----Set variables for other MicroStation features-----
_USTN_LICENSING       : ${BENTLEYROOT}Program/Licensing/
_USTN_DISPLAYALLCFGVARS : 0
MS_UNITS_SHOWALL      = 1
MS_OPENV7             = 0
MS_V7AUTOSAVE_NODIALOG = 1
MS_OTWREG_NOCHECK     = 1
_USTN_PROJECTNAME = CADDs_Metric
```

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June 10, 2009