

This document explains how the Project Configuration File (PCF) is created, where it is saved, and how to update it. The PCF file defines a specific directory that MicroStation defaults to when opening up a DGN file or referencing model files. PCF files are extremely useful when multiple users are accessing the same project directory across the network, or when DGN files are moved from one directory to another.

Creating the PCF File

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 The PCF file is created when the Create Project Directory Structure program is run. This program is accessed from the Windows Start menu under > All Programs > _CDOT_CADD_Information > Create Project Directory Structure.

-	Programs	CDOT_CADD_Information	•	Training_Files	
	Documents Settings Search Help and Support Run Undock Computer Shut Down	 Accessories Games Microsoft Office Roxio Easy CD Creator 5 Broadcom Advanced Control Suite Action Request System Windows Messenger 		Workflows _Update MicroStation-InRoads Standards Check Out MicroStation-InRoads Licenses Create and Manage your Desktop Icons Create Project Directory Structure Select Group Environment	•

2. After selecting the Create Project Directory Structure program, the following dialog box will appear.

🖻 CDOT - Create Pro	oject Directory (V03.00)		_ 🗆 🛛			
Project Template:	:\Program Files\Workspace-CDOT\Project Template		Apply			
Destination:	C:\Projects		Claus			
Job Project Code (JPC):			Liose			
Create Project Configuration File						

3. Enter the 5 digit Job Project Code (JPC). For this example we will use 99999. Select **Apply**. Verify the Create Project Configuration File box is checked **ON**. This should be on by default. After the program has executed, select **Close**.

Project Template:	:\Program Files\Workspace-CDOT\Project Template	 Apply
<u>)</u> estination:	C:\Projects	 Class
ob Project Code (JPC):	99999	LIOSE
Job Project Code (JPC):	99999	

Note: The Create Project program now allows the creation of "M" projects.

4. Open up Windows Explorer again and browse to C:\Projects\99999 to verify the project folder and corresponding folder structure was created.

Opening the PCF File

 View the PCF file that was created when the CreatePrjDir was executed. In Windows Explorer browse to C:\Program Files\Workspace-CDOT\Standards-Local\Projects and open the 99999.pcf file using Notepad.



6. Notice that the second line of text displays MS_DEF=C:/Projects/99999/. The Create Project program places the newly created project location on this line. MicroStation reads this line as a configuration variable and sets the primary Search Path to this location. When MicroStation reads the variable 'MS_DEF' it substitutes the default project location (C:/Projects/99999/). If we look under Reference Files below, all of the paths are set with the (MS_DEF) substitution. This means, whenever you browse for a file to reference (or more specifically a 'model' file), MicroStation will automatically point to the desired directory.

舅 99999 - Notepad	
File Edit Format View Help	
<pre>#= Project_Directory MS_DEF=C:/Projects/99999/ # Reference Files MS_RFDIR>\$(MS_DEF)/Bridge/Drawings/ MS_RFDIR>\$(MS_DEF)/Bridge/Drawings/Reference_Files MS_RFDIR>\$(MS_DEF)/Construction/Drawings/ MS_RFDIR>\$(MS_DEF)/Construction/Drawings/Reference_Files MS_RFDIR>\$(MS_DEF)/Landscape_Environmental/Drawings/ MS_RFDIR>\$(MS_DEF)/Landscape_Environmental/Drawings/ MS_RFDIR>\$(MS_DEF)/Landscape_Environmental/Drawings/ MS_RFDIR>\$(MS_DEF)/Hydraulics/Drawings/ MS_RFDIR>\$(MS_DEF)/Hydraulics/Drawings/ MS_RFDIR>\$(MS_DEF)/Hydraulics/Drawings/ MS_RFDIR>\$(MS_DEF)/Materials_Geotechnical/Drawings/ MS_RFDIR>\$(MS_DEF)/Materials_Geotechnical/Drawings/ MS_RFDIR>\$(MS_DEF)/Materials_Geotechnical/Drawings/ MS_RFDIR>\$(MS_DEF)/Design/Drawings/ MS_RFDIR>\$(MS_DEF)/Design/Drawings/ MS_RFDIR>\$(MS_DEF)/RoW_SURVEY/Drawings/ MS_RFDIR>\$(MS_DEF)/ROW_SURVEY/Drawings/ MS_RFDIR>\$(MS_DEF)/ROW_SURVEY/Drawings/ MS_RFDIR>\$(MS_DEF)/ROW_SURVEY/Drawings/ MS_RFDIR>\$(MS_DEF)/Traffic_ITS/Drawings/ MS_RFDIR>\$(MS_DEF)/Traffic_ITS/Drawings/ MS_RFDIR>\$(MS_DEF)/Utilities/Drawings/ MS_RFDIR>\$(MS_DEF)/Utilities/Drawings/ MS_RFDIR>\$(MS_DEF)/Utilities/Drawings/ MS_RFDIR>\$(MS_DEF)/Utilities/Drawings/ MS_RFDIR>\$(MS_DEF)/Utilities/Drawings/ MS_RFDIR>\$(MS_DEF)/Utilities/Drawings/ MS_RFDIR>\$(MS_DEF)/Utilities/Drawings/ MS_RFDIR>\$(MS_DEF)/Utilities/Drawings/ MS_RFDIR>\$(MS_DEF)/Utilities/Drawings/ MS_RFDIR>\$(MS_DEF)/Utilities/Drawings/Reference_Files MS_DCGNOUT=\$(MS_DEF) # CDOT_WKSP=C:/Program Files/Workspace-CDOT/ CDOT_WKSP=C:/Program Files/Workspace-CDOT/ CDOT_PREF=\$(CDOT_WKSP)/Standards-Global/InRoads/Preferences/</pre>	

Editing the PCF File

 If multiple users are accessing the same project directory, the PCF file will need to be distributed to everyone on the team accessing the project directory. Each member of the team should have their own copy of the PCF file and it should be saved to the same location, C:\Program Files\Workspace-CDOT\Standards-Local\Projects.

8. When team members are sharing the project manager's machine, the path MS_DEF=C:/Projects/99999/ will need to be updated to reflect the path of the computer that is being shared i.e., MS_DEF=//CDOTUSER/Projects/99999/ (MS_DEF=//SMITHS/Projects/99999/ be sure to note the double //). After the edit has been made to the PCF file, select File > Save in Notepad.

😼 99999 - Notepad	
File Edit Format View Help	
# Project Directory MS_DEF=//SMITHS/Projects/99999/	~
<pre># Reference Files MS_RFDIR=\$(MS_DEF)/Bridge/Drawings/ MS_RFDIR>\$(MS_DEF)/Bridge/Drawings/Reference_Files MS_RFDIR>\$(MS_DEF)/Construction/Drawings/ MS_RFDIR>\$(MS_DEF)/Construction/Drawings/Reference_Files MS_RFDIR>\$(MS_DEF)/Landscape_Environmental/Drawings/ MS_RFDIR>\$(MS_DEF)/Landscape_Environmental/Drawings/Reference_Files MS_RFDIR>\$(MS_DEF)/Hydraulics/Drawings/ MS_RFDIR>\$(MS_DEF)/Hydraulics/Drawings/Reference_Files MS_RFDIR>\$(MS_DEF)/Hydraulics/Drawings/Reference_Files MS_RFDIR>\$(MS_DEF)/Hydraulics/Drawings/Reference_Files MS_RFDIR>\$(MS_DEF)/Materials_Geotechnical/Drawings/</pre>	

Note: Each person desiring to work on the project must be given appropriate access to the folders they will be working with. The Project Manager should determine the level of Access. Contact the help desk for additional assistance on sharing files and changing security settings.

Using the PCF File with MicroStation

9. In the MicroStation Manager, the PCF file can be selected from the Workspace portion of the dialog box on the **Project** pull-down menu.

Files:	Directories:	
- 999999TitleSheet.dgn	C:\Projects\99999\Design\Drawings\	3D - V8 DGN
99999ApproximateQuantities##.dgn 99999GeneralNoteSheet01.dgn 9999GeneralNoteSheet02.dgn 99999GeneralNoteSheet02.dgn 9999PlanSheet##.dgn 99999ProfileSheet##.dgn 99999ProfileSheet##.dgn 99999SURVTabSheet.dgn 99999SURVTabSheet.dgn 99999TypicalSection##.dgn M&S Standard Plans List Index.dgn	C:\ Projects 99999 Design Drawings Cross_Sections Reference_Files Tabs	
ist Files of <u>T</u> ype:	Drives:	οκ
CAD Files [*.dgn,*.dwg,*.dxf] 🛛 🔻		
<u>R</u> ead-Only	DWG Options	Lancel
Show File Icons		
Workspace U	ser: CDOT User	
	ect: 999999	
Interfa	ace: CDOT	

10. If you are working on multiple projects, you will have more than one PCF file to choose from. You can easily switch between projects with this pulldown. Select the arrow to expand the display and choose which project to work on.

<u>U</u> ser.	CDOT User	•
Project	99999	
Interface:	No Project	
	00000	
	12345	-
	33333	
	New	

11. The file path in MicroStation will be redirected to the project folder after the desired project has been selected. All dialog boxes within MicroStation that require a path to be defined will default to the root directory chosen at the **Workspace > Projects** location.

File Directory Help		
Files:	Directories: C:\Projects\00000\	3D - V8 DGN
List Files of Type:	C:\ Projects D0000 Bridge Construction Consultants Design Hydraulics Landscape_Environmental Materials_Geotechnical Content Content Content Content Content Cont	
CAD Files [*.dgn,*.dwg,*.dxf]		<u>DK</u>
E Bead-Only	DWG Options	Cancel
☐ Show File I <u>c</u> ons		
Workspace	User: CDOT User ▼ roject: 00000 ▼ Iface: CDOT ▼	

If your folder structure changes and/or files are moved to different locations than initially pathed to, you can update your reference file attachment location here without having to reattach the files in MicroStation. Simply edit the reference file paths in the PCF and open MicroStation. You will notice that the files are now being found. It should be noted that Save Full Path when referencing files within MicroStation, should never be used if you want the PCF file changes to take affect.

Old Structure

```
MS_RFDIR>$(MS_DEF)/Design/Design_Data/
MS_RFDIR>$(MS_DEF)/Design/Drawings/
MS_RFDIR>$(MS_DEF)/ROW_SURVEY/Deliverables/
MS_RFDIR>$(MS_DEF)/ROW_SURVEY/Design_Data/
```

New Structure

MS_RFDIR>\$(MS_DEF)/Design/Drawings/ MS_RFDIR>\$(MS_DEF)/Design/Drawings/Reference_Files MS_RFDIR>\$(MS_DEF)/ROW_SURVEY/Drawings/ MS_RFDIR>\$(MS_DEF)/ROW_SURVEY/Drawings/Reference_Files