

Converting Microstation DGN to Autodesk DXF

Design Manual Chapter 20 Project Automation Information Originally Issued: 03-31-16

20H-20

Overview

This section focuses on the process of producing Autodesk files for Final Turn-In of Electronic Files (Section <u>20B-71</u>). As stated in 20B-71, only 3D Microstation files containing 3D line strings representing break lines need to be converted to the DXF format. The DXF format is a generic CADD format usable by many software suites for use in automated machine guidance operations.

Converting DGN to DXF

The two methods for converting a DGN file to a DXF file through Microstation are:

- File>Save <u>A</u>s...
- File>Export><u>D</u>GN, DWG, DXF...

Either method can be used since both methods produce the same results.

DXF files, much like DWG files, can only contain one model. Because of this, care must be given, after converting a DGN with multiple models, to ensure the correct DXF file for the correct model is supplied for Final Turn-in.

File>Save <u>A</u>s... Method

Select File>Save As...

The Save Document As dialog shown below will appear.



- 1. Click the Format button to change the format to DXF.
- 2. Select Autodesk® DXF Files [.dxf]
- 3. Click **OK** to select format.
- 4. Click Select button to ensure file will save to correct folder.
- 5. Click Save button to complete.



File>Export>DGN, DXF, DWG... Method

Select File>Export>DGN, DXF, DWG...

The Export File dialog shown below will appear.

	Item Browser Project Explorer References Raster Manager Point Clouds		
	Mode <u>ls</u> P <u>u</u> blish i-model		
	Import	F	
	Export		DGN, DWG, DXF
9 9 9	Print Preview <u>Print</u> Ctrl+P Print Organi <u>z</u> er		IGES Parasolids ACIS SAT CGM Step AP203/AP214 VRML World STL SVG Luxology OBJ EBX SketchUp Google Earth Collada U3D JT
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- 1. *Click* the **Format** button to change the format to DXF.
- 2. Select Autodesk® DXF Files [.dxf]
- 3. Click **OK** to select format.
- 4. Click Select button to ensure file will save to correct folder.
- 5. *Click* **Save** button to complete.

Folder		Save
Design	Select	Cancel
Document		
Name:	43183041.3d	
Description:	43183041	.1
File Name:	43183041.3d	· ·
Format:	3d Format	
Application:	Denartment:	

Select Format To Save	Options
MicroStation V8 DGN Files [*.dgn] MicroStation <u>V</u> 7 DGN Files [*.dgn] Autodesk(R) <u>D</u> WG Files [*.dwg]	<u>o</u> k
Autodesk(R) DXF Files [*.dxf]	2
D <u>G</u> N Library Files [*.dgnlib]	
Redline Files (*.rdl]	

Chronology of Changes to Design Manual Section:

020H-020 Converting Microstation DGN to Autodesk DXF

3/31/2016 NEW New.