

Business Property Loader

INTRODUCTION

An application (text2xfm.mvba) for loading a business property from a text string. The text (or text node) will become an XFM feature and the property is loaded with the text string. If the property already exists, it is updated. The result can be exported to a point SHP file including the text property.

Install the VBA in a folder pointed by the variable MS_VBASEARCHDIRECTORIES, e.g. ..\WorkSpace\Standards\vba\.

Install the DgnLib file interface BentleyMapTools.dgnlib in a folder pointed by the variable in MS_GUIDGNLIB LIST, e.g. C:\ProgramData\Bentley\MicroStation V8i\08.11.09\WorkSpace\Interfaces\MicroStation\default\.

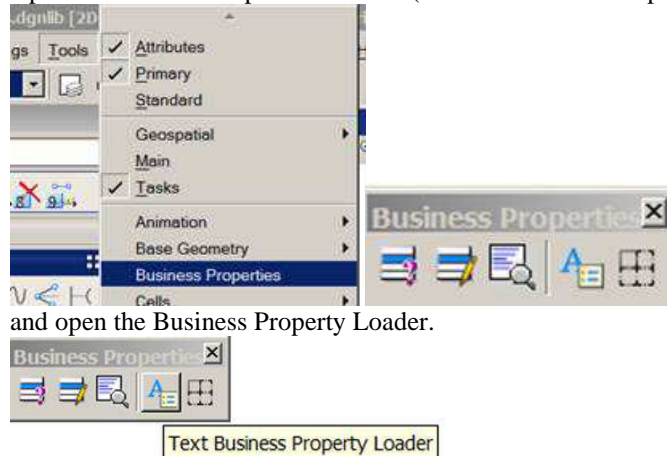
The dialog offers:

- A list with available features that is deferred from the XFM schema and optional from the available levels.
- A list with existing properties from the selected feature. If needed, a **new** property name can be entered manually for both the text property and the rotation property.
- Optionally the rotation of the text string can be stored in a property.
- With the Process button a selection set, fence or the whole DGN file is scanned for the selected input feature or level.

Note: An XFM schema is not needed.
e.g. in the case a session feature (a level name) is selected, and the property names are entered manually.

➤ CONVERT TEXT TO BUSINESS PROPERTIES

- Start Bentley Map (e.g. with the msgeo workspace).
- Open a DGN file.
- Open the Business Properties toolbox (Tools > Business Properties).



and open the Business Property Loader.

- If this tool box is not available:
 - Open the VBA Project Manager (Utilities > Macro > Project Manager).
 - Load and start the VBA text2xfm.mvba.
- The dialog box is opened and the combo boxes are filled automatically.
- Select a text feature from the combo box or fill in a feature name manually.
- Optionally: Select the button *Select Feature* and select a text feature element in the DGN file
- Optionally: Enable the option *Include Levelnames*. The list with Text Features is extended with features that are inferred from levels.
- Select a property for storing the text or fill in the property name manually.
- Optionally: Select a property for storing the rotation of the text or fill in the property name manually.
- Optionally: Enable the option *Degrees* for storing the angle in degrees, default is radians.
- Start the process with the *Process* button.
If a selection set or fence is available, this will be processed. Otherwise the complete DGN file is processed.

Note: For updating properties in an external database use the Text Manager that is available in the Database Operations toolbox (Tools > Geospatial > Database Operation).

Note: In the case the property names are entered manually (and not selected from the pciklist) for a successful export to SHP file, the DGN file must be closed and opened again.

BATCH

This tool can be run without an interface. The macro is started with the feature and property names as argument, with the syntax:

Vba Run ModMain.run <Name Text feature> , <Name Text property>, < Name Rotation property> , <Angle in degrees> e.g. with the feature *Streetname* and properties *Name* and *Angle*:

Vba Run ModMain.run Streetname, Name, Angle, 1