

TMR Customisation Bundle

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1 Introduction

This document provides information about the configuration of the Transport and Main Roads (TMR) AutoCAD Customisation “Bundle”.

2 Concept

AutoCAD provides three location for the storage of “Application Plugin Bundles”.

- %PROGRAMFILE%\Autodesk\ApplicationPlugins
- %ALLUSERSPROFILE%\Autodesk\ApplicationPlugins
- %APPDATA%\Autodesk\ApplicationPlugins

The folders act to “ring fence” files that provide functions via LISP, VBA, .NET and standalone executables, enabling clearly defined “Trusted Locations” that can be managed.

For documentation refer to the following Autodesk resources:

Keeping these links current is difficult. The current links lead to 2026 documentation.

- [About Installing and Uninstalling Plug-In Applications](#)
- [PackageContents.xml Format Reference](#)
- [Components Element Reference](#)
- [Example: Basic .bundle Folder Structure for a Plug-in](#)

3 Advantages

- Customisation content is carried in easily identified and managed folder locations.
- There is no longer a requirement for the TMR Customisation Configuration tool.
 - Place the bundle in one of the three folders and run AutoCAD.

There will be a need to restart AutoCAD after the first run, as many settings aren’t fully applied and functioning simply by “setting” them. This is the same as when a profile file (.arg) file is loaded.

4 Transport and Main Roads Customisation

TMR has configured a bundle for the delivery of our customisation content.

The mechanism is not perfect, however a couple of things have been done to overcome this as much as possible.

There are two primary components to the bundle:

- **PackageContents.xml** file.
- **Contents** folder

4.1 PackageContents.xml file

This file provides information to AutoCAD about where to find content, how to load it and what the commands will be.

If this file cannot be found, AutoCAD will not load the content.

To disable a bundle, simply rename this file. The most transparent method is to add “-disable” after the “.xml” extension.

TMR’s file does the following in this order:

- Sets a registry path storing the path to the Contents folder.
 - This is important when attempting to set the various search paths for items such as plot config files, templates and log file mentioned later.
 - If your organisation chooses to depart from the default **C:\Program Files\Autodesk\ApplicationPlugins** folder, this value will need to be amended.
- Load the SetProps.lsp file

This LISP file establishes the TMRPROPS command.

During development of the bundle, it was discovered that a “first time” run of AutoCAD loading the bundle leaves a number of settings with undesirable values.

These values were things like:

- Grey model and layout background colours
- Cursors set to 5% of the display
- No template paths set
- Toolpalette paths “added” to, not replaced.
- System variable not set as desired.
- Support paths not set for
 - Printer configurations
 - Printer styles
 - QNEW template
 - Template DWG path, etc.

TMRPROPS reads and uses the path set in the previous step.

It looks at the **PropSettings.ini** file to determine the values to be set.

The **PropSettings.ini** file is commented with instructions for its use.

TMRPROPS is set as a startup command.

-
- Sets the following “Support File Search Paths”
 - Scripts(scr)
 - HatchPatterns(pat)
 - LISP_DotNet\LISP
 - Linetypes(lin)
 - CompiledShapes(shx)

 - Loads the following .NET plugin content
 - MRApps dll
 - Block palette dll
 - TMR_Centroid dll
 - Check Standard Layers dll
 - XRef Draw Order dll
 - Geotechnical Borehole dll
 - Don’t misinterpret this on. It’s simply a mechanism for reading a spreadsheet containing strictly formatted data and generating DWG content from it.
 - It could however be “misused” for other purposes as well.
 - Overrules dll
 - Providing line marking overrules
 - Current disabled due to issues.
 - Annotation scales list dll
 - ACAD_Light dll
 - Providing MRLITE.

 - Loads TMRLISP.lsp

4.2 Contents Folder

This folder literally contains all the content of the customisation.

Be aware that picking and choosing content may have undesired consequences for functionality.

For example, the Check Standard Layers command is reliant on the “LayerStates\Standard Layer Definitions.xml” file being in the correct relative location to the location of the “.\LISP_DotNet\DotNet\CheckLayerStandards\ACADCheckStandardLayers.dll” file.

We won’t tell you not to, however you have to own that decision.

TMR has no requirement to enable this choice.

