



Scrutineering Configurator and Tool

Instructions for use

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1 Introduction

The Scrutineering Configurator and Tool validates if a scrutineered ECU matches the previously generated "reference" file from a reference ECU. Therefore, it is necessary to access the information from an ECU-hardware including proper Golden Image and branding.

Then this control unit must be programmed with the reference firmware. Afterwards all required information must be uploaded from the ECU and read into the Scrutineering Tool. This document describes this procedure step by step.

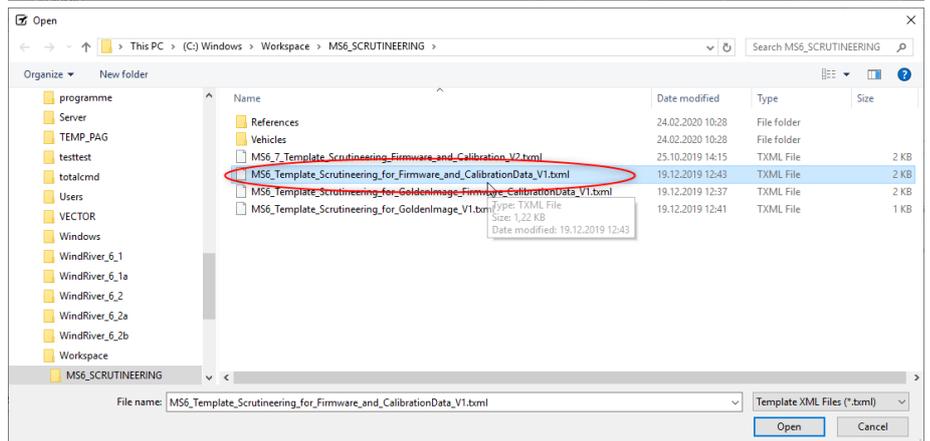
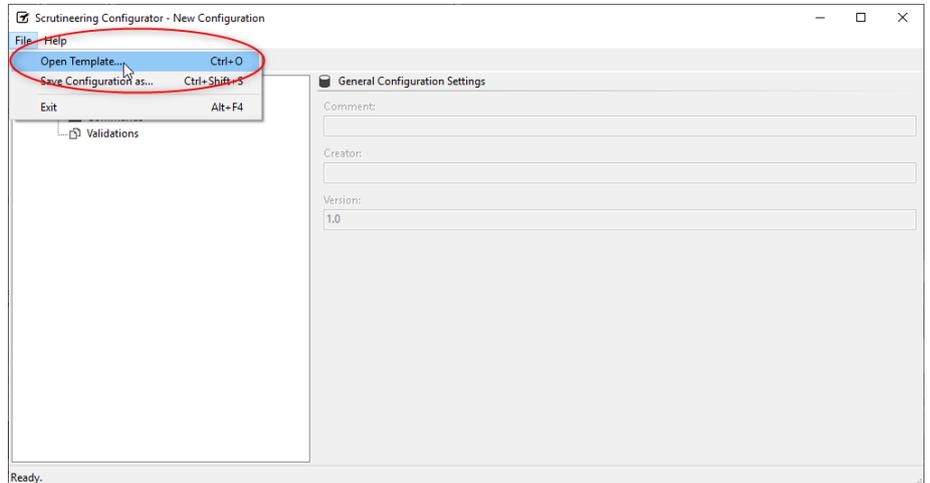
2 Preparation of an ECU for creating a "reference-file" upload

Make sure that all memory sections of the ECU you use for the reference file upload contain the correct setting:

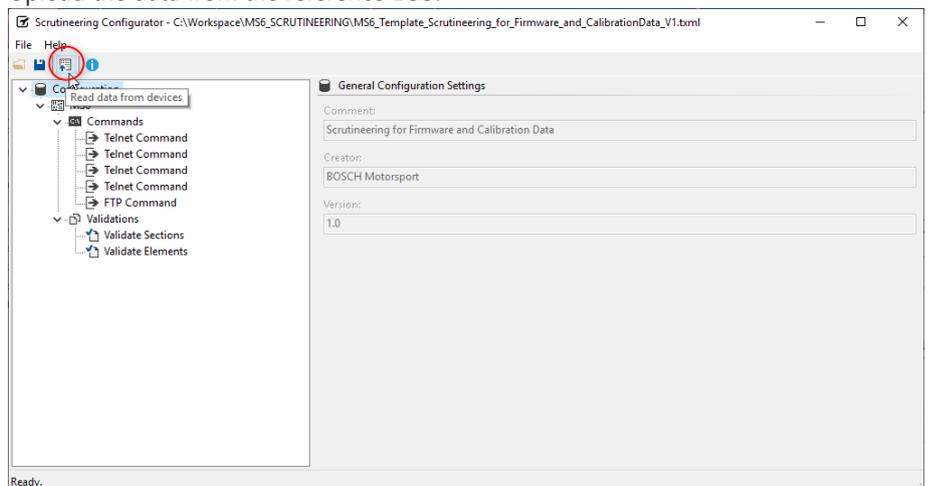
1. Branding
2. Golden Image
3. Firmware
4. Calibration Data
5. Power cycle the ECU

3 Generate a "reference-file" configuration

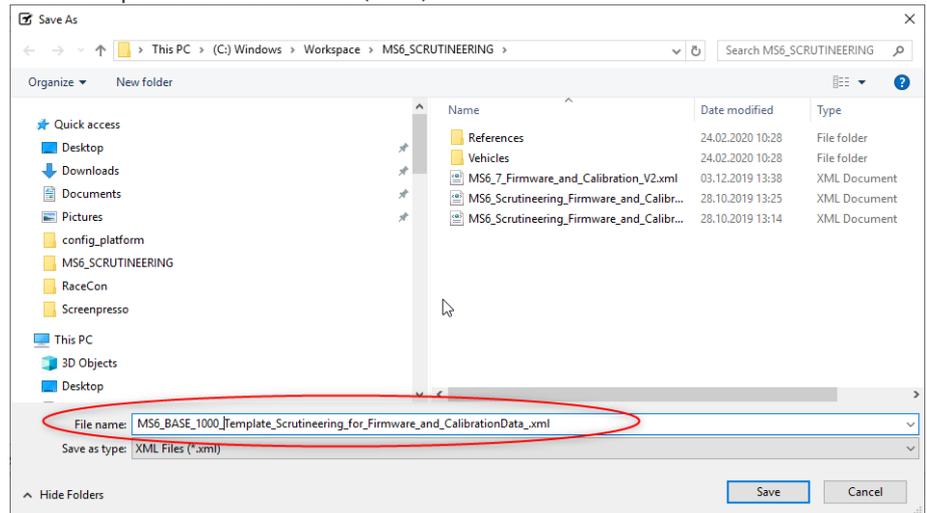
1. Start the Scrutineering Configurator.
2. Open a template matching the ECU type (File->Open Template (*.txml)). This file will be provided by Bosch Motorsport. The template file contains the areas to be compared and the commands for the ECU to generate and upload the requested information.



3. Upload the data from the reference ECU.



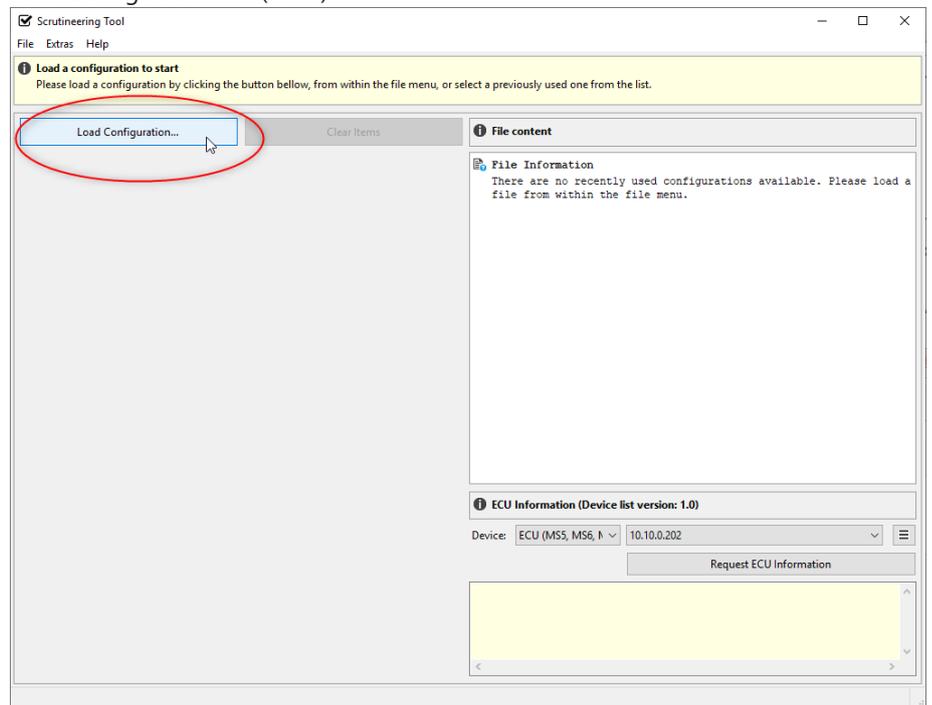
4. Save the upload as reference file (*.xml).



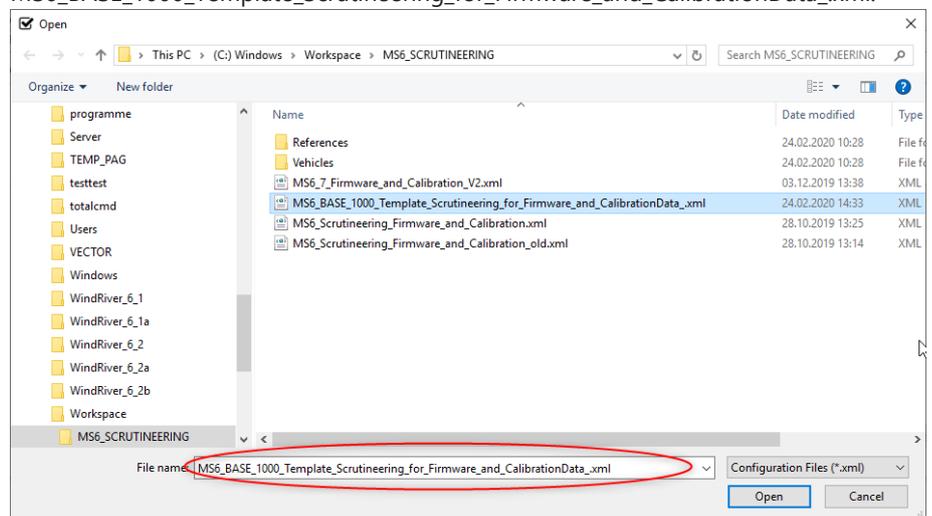
This file can be used as reference file for the Scrutineering Tool to check other ECUs.

4 Scrutineering an ECU

1. Open the Scrutineering Tool.
2. Load Configuration file (*.xml):

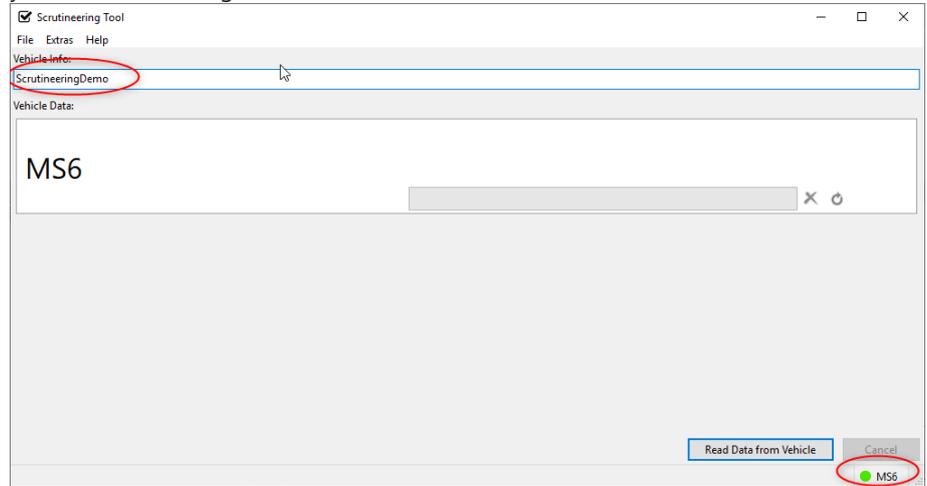


Select here the previously saved configuration file, in our example MS6_BASE_1000_Template_Scrutineering_for_Firmware_and_CalibrationData_.xml.



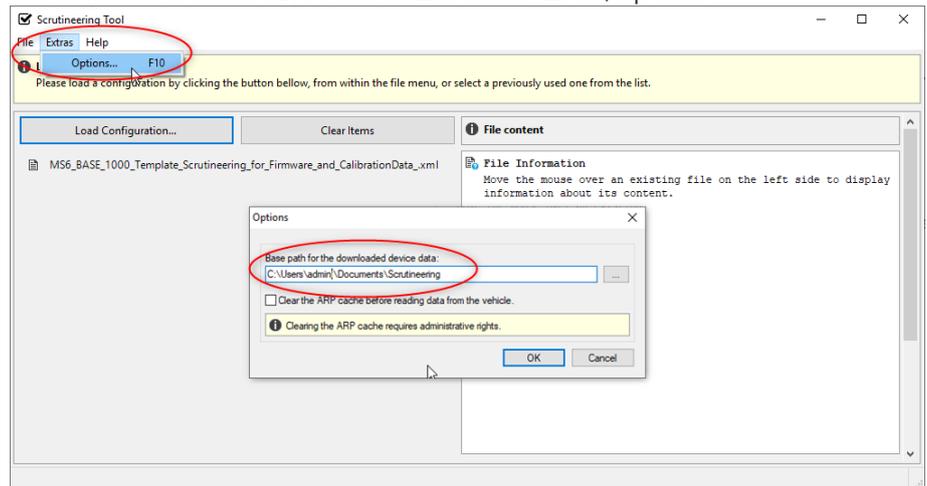
3. Make sure that the ECU is online; the status of the connection to the ECU must show green.

Enter in the mask "Vehicle Info" some meta-information describing e.g. the vehicle you are scrutineering.



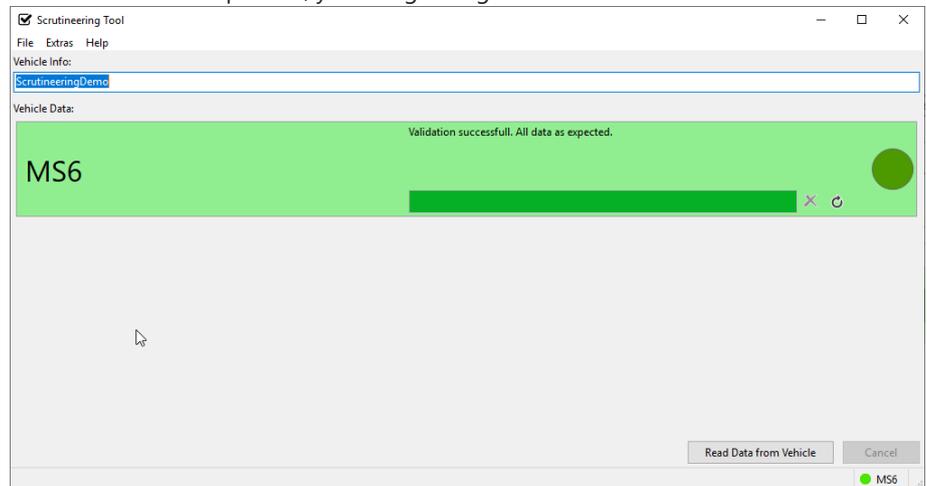
A subfolder with the name specified in "Vehicle Info" is created in the following default download folder: "%USERPROFILE%\Documents\Scrutineering\Vehicles".

The download location can be customized under "Extras/Options..."

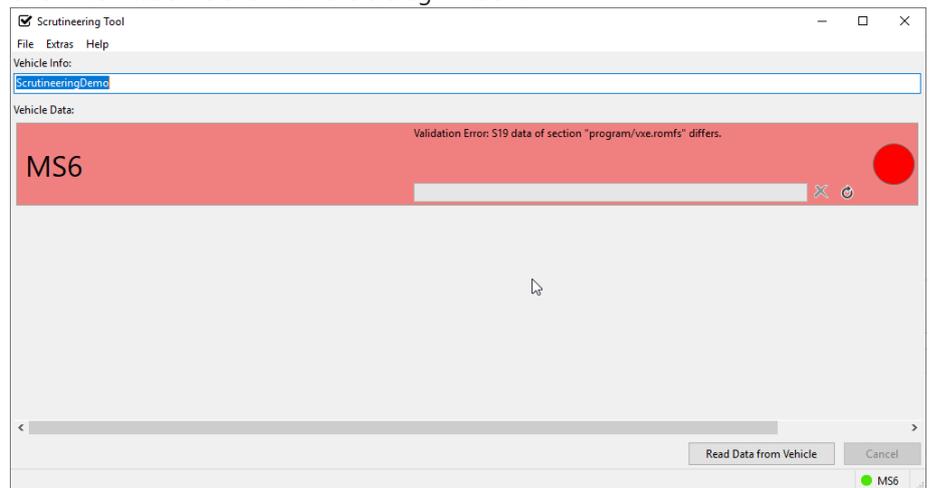


... then press the button "Read data from Vehicle".

4. With successful comparison, you will get all green.



5. If you get red color, something is wrong with the scrutineered ECU and the validation error information is shown in the dialog window.



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