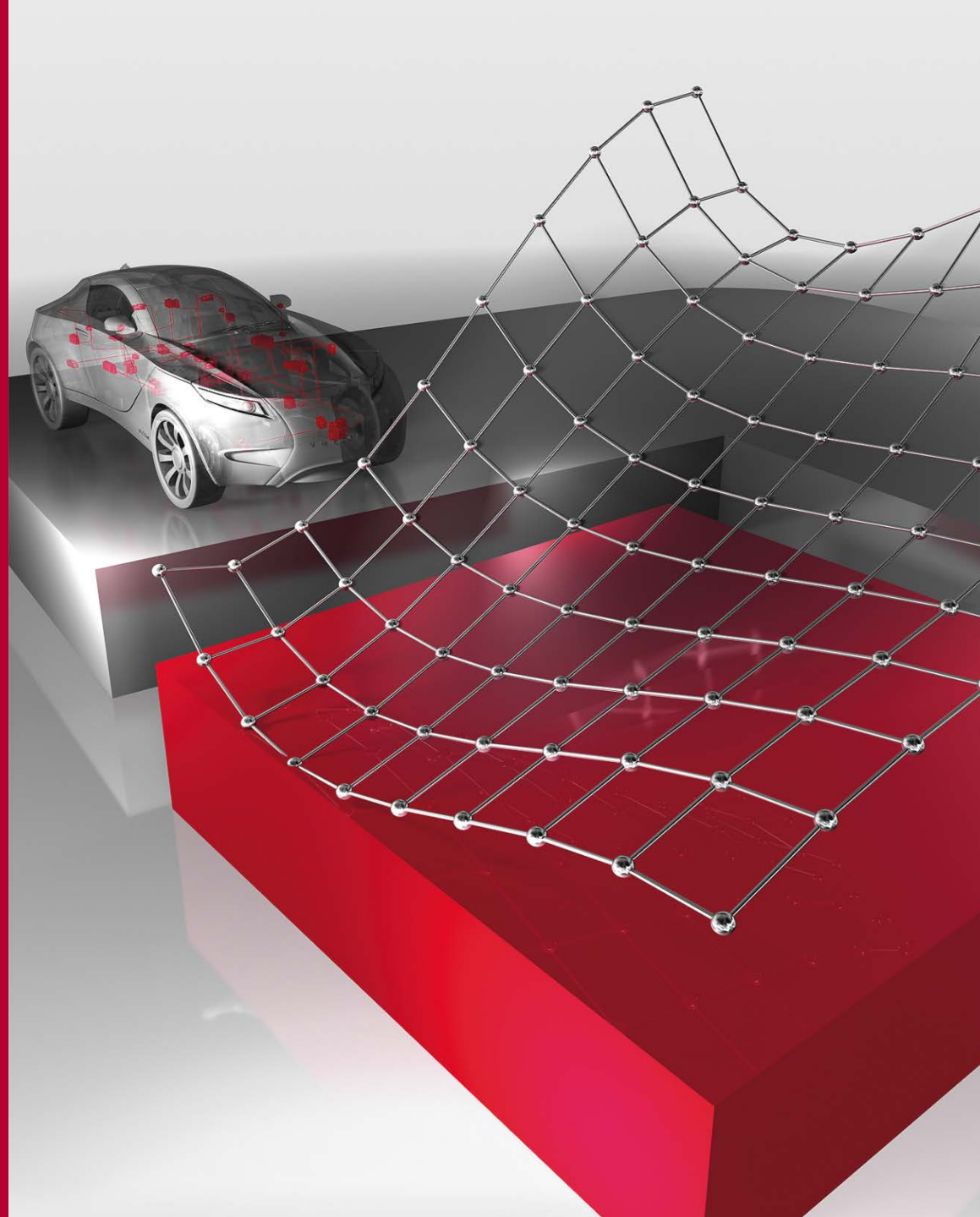




Product Information

ASAP2 Editor

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V1.1 10/2014 - Valid for ASAP2 Editor from Version 13.0.

Please consider the environment before printing this document.

1 Overview

1.1 Introduction

ECU calibration that is performed with a measurement and calibration system such as CANape requires an ECU description file in ASAP2 format. The ASAP2 Editor is the right solution for creating and visualizing such standardized ASAP2 ECU description files.

ASAP2 files are an elementary part of every measurement and calibration operation. They give the user access to internal ECU variables by symbolic names. An ASAP2 description file contains all information about relevant data objects in the ECU, e.g. characteristic values (parameters, curves, maps), real and virtual measurement values, and variant dependencies. Each object is described by information, such as memory address, storage structure, data type, and conversion rules for converting to physical units. The objects are hierarchically assigned to function groups.

1.2 Features and Advantages

The convenient ASAP2 Editor is used to create, modify and update ECU description files in ASAP2 Version 1.x format. The ASAP2 Editor is optimally integrated in the development process. For example, when the ASAP2 Editor is used to create database objects, address and data type information can be taken from the linker-map file or debug file. The ASAP2 Editor is the "standalone" version of the database editor integrated in CANape.

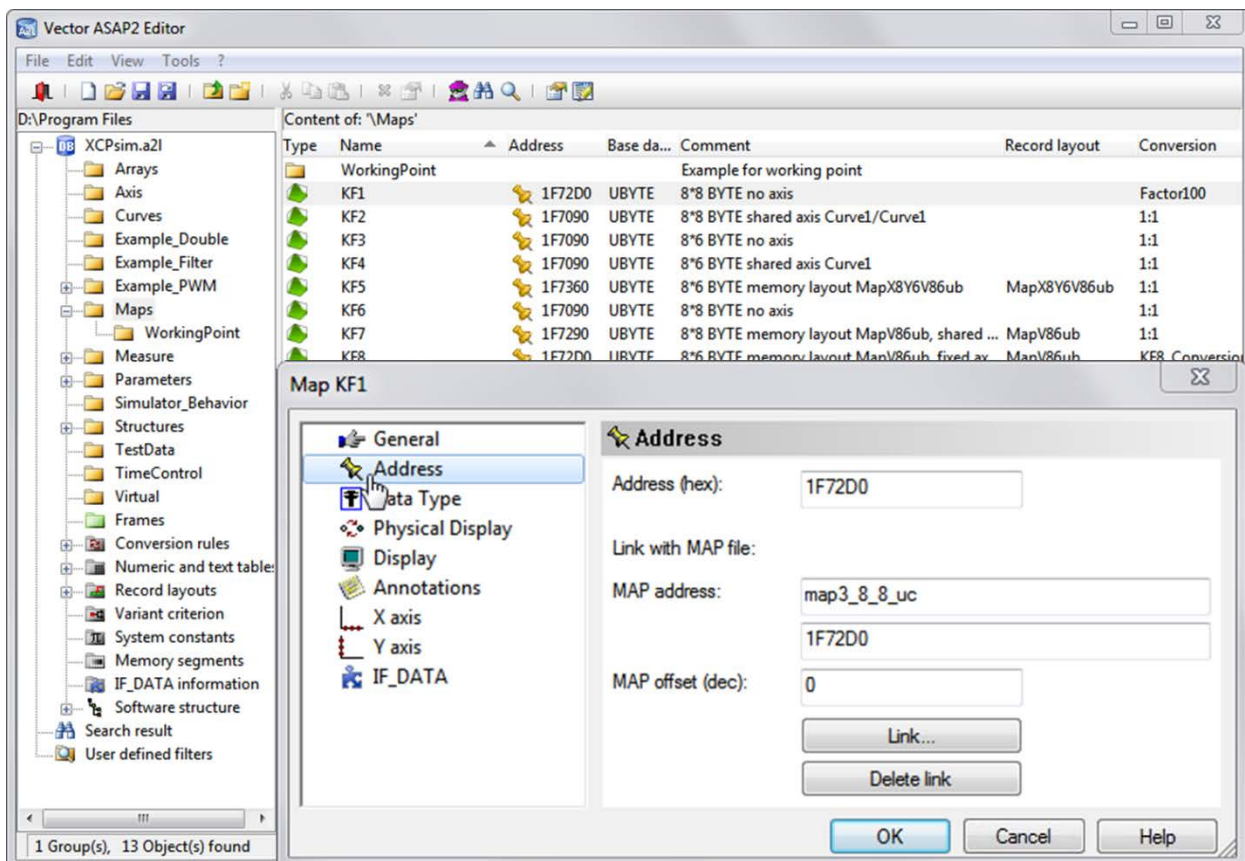


Figure 1: Configuration of a characteristic map in the ASAP2 Editor

1.3 System Requirements

- > Windows 7 and 8 (32-bit and 64-bit version): PC with at least 2.8 GHz, 2 GByte RAM and graphic card with at least 128 MByte RAM
- > Windows Vista (32-bit version): PC with at least 2.8 GHz, 2 GByte RAM and graphic card with at least 128 MByte RAM

1.4 Included with Delivery

The ASAP2 Editor product includes a program CD-ROM, which also contains a manual in PDF format.

2 Functions

The ASAP2 Editor offers the following functions:

- > All information can be entered and changed in windows dialogs.
- > ECU descriptions can be read-in in ASAP2 and CANape format and can also be saved in these formats.
- > Macros and template files can also be used to export the ECU description in any desired user-definable ASCII formats.
- > Selective export of individual database objects is possible, as is import of individual objects from other ASAP2 files.
- > Linker-map or debug files can be used to automatically update address and data type information. All commonly used linker-map and debug formats are supported such as IEEE, ELF/DWARF, COFF and PDB.
- > Encrypted saving of the A2L files protects the data from unauthorized changes, even by other tools.
- > Corrupt (not standard-conformant) A2L files can also be read-in using the configurable tolerance.
- > Various plausibility checks can detect such errors as address overlaps, duplicate object names, invalid references and much more.
- > The integrated comparison function lets users determine the differences between ASAP2 files.
- > In an analysis of object names, a software structure is automatically generated, which can be used for convenient navigation.
- > Mass operations accelerate the working process letting users select many objects and change their properties together.
- > All IF_DATA information for which a suitable AML description exists can be edited in the editor.
- > A2L files can be opened from the Windows Explorer by drag & drop operation.
- > Zipped ASAP2 files can be read in.
- > User-defined filters simplify navigation.
- > Visualization of unsupported ASAP2 objects such as cuboids.
- > Frames and device parameters can be edited.

3 Maintenance Contract

When purchasing the ASAP2 Editor, it is possible to obtain a maintenance contract. Over the one-year period of the maintenance contract, updated versions of the ASAP2 Editor are available free-of-charge. An existing maintenance contract can be renewed each year.

Each revision of the ASAP2 standard leads to an update of the ASAP2 Editor by Vector. Updates will be downward compatible to previous versions of the ASAP2 standard, if the modified ASAP2 standard makes this possible.

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