Association for Standardisation of
Automation and Measuring Systems

ASAM MCD-2 MC (ASAP2 / A2L)

Data Model for ECU Measurement and Calibration

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Base Standard

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Foreword

ASAM MCD-2 MC describes a data model for ECU Measurement and Calibration via a non XML format. Such data resides inside the memory of the ECU. The format definition makes the data accessible through application systems for tuning real-time testing. The description contains information about data types, dimensions, record layouts and memory locations of ECU variables. Further information describes how the variable values shall be converted into human-readable quantities and displayed in an MC-System.
In addition to the data description, the standard allows to describe the device interface between the MC-System and the ECU for read- and write access. As a result, the ASAM MCD-2 MC description contains all information in one place that is needed to access, modify, interpret and display ECU-internal variables.

The format definition describes the following content:

- A2L description file keywords
- AML format description
- AML template
- A2L and AML example