



Association for Standardisation of
Automation and Measuring Systems

ASAM MCD-2 D (ODX)

Data Model for ECU Diagnostics
(Open Diagnostic Data Exchange)

Data Model Specification

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Base Standard

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Introduction

This International Standard has been established in order to define the data format for transferring ECU (Electronic Control Unit) diagnostic and programming data between system supplier, vehicle manufacturer and service dealerships and diagnostic tools of different vendors.

Today's situation in the automotive industry mostly utilizes an informal description to document diagnostic data stream information of vehicle ECUs. Each user, who desires to use the ECU diagnostic data stream documentation to setup development tools or service diagnostic test equipment, needs a manual transformation of this documentation into a format readable by these tools. This effort will no longer be required if the diagnostic data stream information is provided in ODX format and if those tools support the ODX format..

This document includes the data model definition of ECU diagnostic and programming data and related vehicle interface description in UML (Unified Modelling Language). The document also includes an implementation by XML schema in the annex.