

## QUALITY DRIVEN BY ASAM STANDARDS

### ASAM – 15 YEARS OF EXCELLENCE IN STANDARDIZATION

- 21 standards for the development and testing of ECUs
- Written by recognized domain experts
- Widely accepted by the Automotive industry
- Mature standards proven in praxis
- Huge network of experts and suppliers
- Extensive support with commercial off-the-shelf tools

### KEY INDUSTRY PLAYERS TRUST IN ASAM STANDARDS

- ~80% of all cars worldwide are calibrated with ASAM standards
- 100% of new platforms at AUDI, BMW, Daimler, MAN, Porsche and Volkswagen use ASAM diagnostics
- ASAM test data management standards are used by most global OEMs

80%  
100%

## ASAM – YOUR ASSURANCE FOR SUCCESS IN AUTOMOTIVE DEVELOPMENT

- Simulate and develop efficiently
- Interconnect tools easily
- Exchange data seamlessly
- Measure, calibrate and diagnose via open interfaces
- Test, analyze and optimize with a high degree of automation

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Technical information

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## ASAM CONNECTS

**ASAM brings together** OEMs, suppliers, tool vendors, service providers and research institutes to jointly advance the standardization of development and test tools for the automotive industry.

ASAM has more than 140 international members, including major OEMs from Germany, France, USA, Japan, and China. The numerous tool vendors in the ASAM community make sure that there is a great number of ASAM-compliant products which easily integrate into your existing system environment.

### OUR GOAL

ASAM pursues the vision that the **components of a development and test tool chain can be freely interconnected and allow a seamless exchange of data.**

To fulfill this goal, ASAM coordinates the development of technical standards that define protocols, data models, file formats and application programming interfaces (APIs) for the use in the development and testing of automotive ECUs.

The standards are developed by working groups composed of experts from our member companies. This guarantees a high level of quality and industry wide acceptance of the standards. A large amount of popular tools in the areas of simulation, measurement, calibration and test automation are compliant to ASAM standards.

## STANDARDIZED SOLUTIONS

ASAM standards cover specific use-cases and are developed according to the following guiding principles:

- Independence of hardware, operating system and programming language
- Use of object-oriented models
- Definition of semantics and syntax
- Independence from the physical storage of data

**Consequently, they are vendor- and technology-independent**, which keeps system components of different origin interchangeable and decouples them from the continuous advances of IT platforms. This secures investments in tools and processes for the long-term.

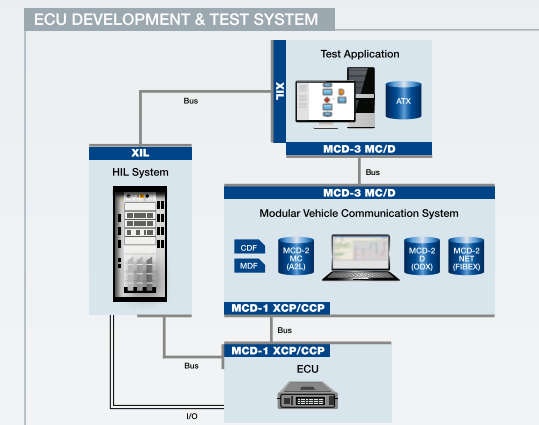
### ASAM COMPLIANCE

- guarantees interoperability of tools from different vendors
- allows data exchange without the need for converters
- facilitates the exchange of unambiguous specification between customers and suppliers.

## TECHNOLOGY AREAS

### AUTOMOTIVE ELECTRONICS

Measurement, calibration, diagnostics, networks, software development



### COMPUTER AIDED TESTING

Test automation, test data management, data post-processing

