QUALITY DRIVEN BY ASAM STANDARDS

25 YEARS OF EXCELLENCE IN STANDARDIZATION

- Portfolio of 37 standards
- Written by recognized domain experts
- Widely accepted and used by the automotive industry
- Mature standards proven in practice
- Huge network of experts and suppliers
- Extensive support by commercial off-the-shelf tools

KEY INDUSTRY PLAYERS TRUST IN ASAM STANDARDS

- ~ 80 % of all cars worldwide are calibrated with ASAM standards.
- Most major OEMs worldwide use ASAM standards for diagnostics.
- ASAM test data management standards are used by many global OEMs.
- ASAM OpenX® standards are gradually becoming the industry's reference for their respective use cases and are supported by the majority of simulation tool providers and manufacturers worldwide.

80%

100%

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ASAM

Association for Standardization of Automation and Measuring Systems

ASAM CONNECTS

PEOPLE | SOLUTIONS | STANDARDS

Tool interoperability

Seamless data exchange

Long-term stability

ASAM

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STANDARDIZATION AT ASAM

ASAM promotes standardization within the mobility industry. Together with its more than 400 member companies worldwide, ASAM creates standards for the **development, testing** and **validation** of the entire vehicle and its ECU components.

> **ASAM standards enable easy integration of tools into existing value chains and a seamless exchange of data.**

ASAM standards define file formats, data models, protocols and interfaces. They are **based on specific use cases** and are **vendor- and technology-agnostic**: System components are interchangeable and not tied to specific IT platforms.

ASAM standards are developed by experts from member companies: **OEMs, suppliers, tool vendors and research institutes** worldwide work together to specify solutions for shared challenges.

ASAM **requests and encourages an open exchange** among all stakeholders. This ensures a high level of quality and industry-wide acceptance of the standards.

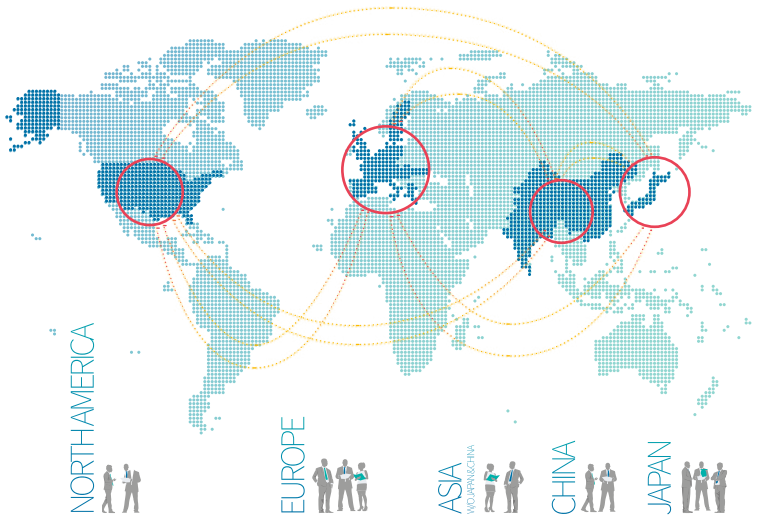
ASAM PROVIDES A PLATFORM

- → **to address technical challenges**
- → **to connect with members**
- → **to coordinate work groups**
- → **to develop, release, and maintain standards**
- → **to market and distribute these standards**

for a long-lasting benefit of the industry.

MEMBER-DRIVEN

ASAM project groups allow the discussion on shared, non-competitive challenges **in compliance with anti-trust regulations.**



All ASAM activities are initiated by the members: They determine the need for new standards and send technical experts to develop them. ASAM provides guidelines and processes to drive these projects to success.

WHY CONTRIBUTE TO ASAM STANDARDS?

- **The ASAM spirit**
  Be part of a global network of experts.
- **Thought leadership**
  Work together with experts on a common vision while deepening knowledge on highly relevant industry topics.
- **Efficiency and proficiency**
  Take advantage of a lean, structured association.
- **Reliability and quality**
  Benefit from standards with wide industry acceptance, high quality and relevance.

SOLUTION-DRIVEN

ASAM standards are applied throughout the development cycle and can be categorized in the following domains:

MEASUREMENT & CALIBRATION
Standards for working with ECU variables and parameters.

DIAGNOSTICS
Standards for describing and testing the diagnostic subsystems of ECUs.

ECU NETWORKS
Standards for describing and testing ECU networks.

SOFTWARE DEVELOPMENT
Standards that support the ECU software development process.

TEST AUTOMATION
Standards for working with test systems, incl. APIs, and formats for test descriptions.

DATA MANAGEMENT & ANALYSIS
Standards for storing, retrieving, and analyzing mass data.

SIMULATION
Standards for simulation-based testing of automated driving functions. They cover a wide range of use cases for virtual development, incl. hybrid testing approaches that combine virtual and physical components.