ASAM

Standards for the Automotive Industry

Dr. Klaus EstenfeldManaging Director, ASAM e.V.

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ASAM - Introduction

Compliance Statement

For almost 20 years, ASAM e.V. (Association for Standardization of Automation and Measuring Systems) is actively promoting standardization within the Automotive Industry. Together with its more than 200 members worldwide, the association develops standards that define interfaces and data models for tools used for the development and testing of electronic control units (ECUs) and for the validation of the whole vehicle.

ASAM standards are recommendations, they do not have an impact on regulatory framework.

From the beginning, ASAM has requested and encouraged an open exchange among all stakeholders: manufacturers, suppliers, tool vendors and research institutes. Following this ASAM policy, technical experts from ASAM member companies worldwide commonly develop new standards in project groups. The developed standards are accessible for all interested companies and serve as basis for the development of tools and ECUs within the respective companies worldwide. Tools and products developed based on ASAM standards allow easy integration into existing value chains and seamless data exchange.

ASAM project groups do not define products or take any business decisions preventing competition.

Marc Blatter
Chairman of the Board of Directors

Dr. Klaus Estenfeld Managing Director

https://www.asam.net/home/about-asam/compliance.html



ASAMThe Organization



Board of Directors

Voluntary Representatives from International OEMs, Tier-1s and Tool Vendors

- Marc Blatter (Chairman)
 Daimler AG
- Dr. Ralf Nörenberg HighQSoft GmbH
- Prof. Dr. Marcus Rieker HORIBA Europe GmbH
- Armin Rupalla
 RA Consulting GmbH
- Richard Vreeland Cummins Inc.













Technical Steering Committee (TSC)

A Highly Experienced International Team of Experts from Automotive Industry

AVL LIST GmbH
 Dr. Gerald Sammer



BMW AG
 Michael Schwarzbach



Continental AG
 Helmut Wellnhofer



dSPACE GmbH
 Dr. Hans-Joachim Rabe



emotive GmbH
 Dr. Jörg Supke



ETAS GmbH
 Killian Schnellbacher

National Instruments Corp.
 Stefan Romainczyk (Speaker)





















ASAM Membership

More Than 200 Member Organizations in 20 Countries Develop and Apply ASAM Standards





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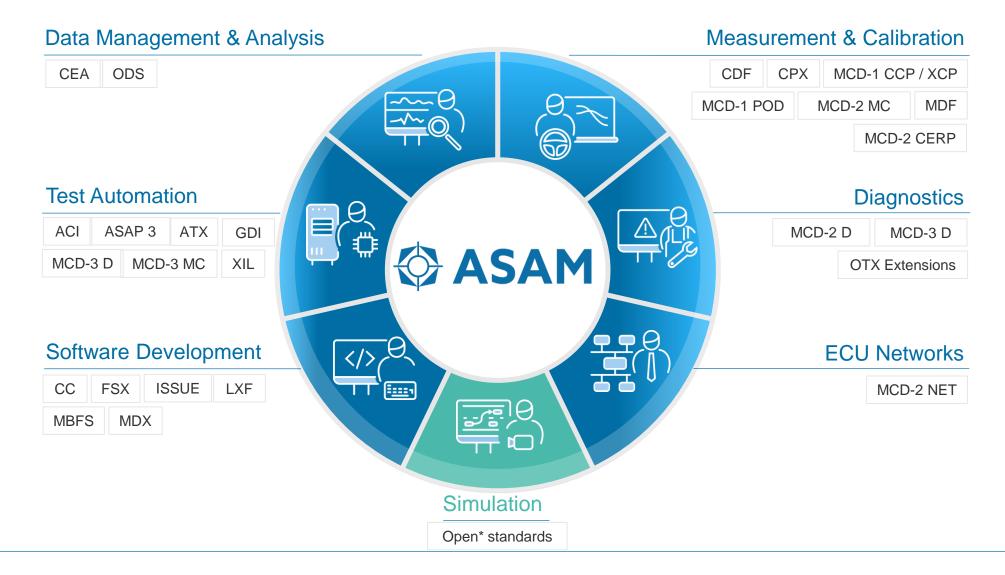
Standardization at ASAM

Portfolio, Process, Support



ASAM Standards Portfolio

A New Domain to Come in 2018





Standards Development

Process

- ASAM members can propose a new standardization activity at any time.
- Standards are developed and maintained via projects.
- Experts from member organizations participate in standard development projects.
- Projects have a defined start and end.
- Project groups (working groups) are given a lot of leeway to organize their own work.
- Errors are corrected via a continuous issue resolution process.

Project Support

- Projects may have a budget, funded by ASAM.
- Projects may be supported by a service provider.
- Administrative and infrastructure support through the ASAM office.

Project Types

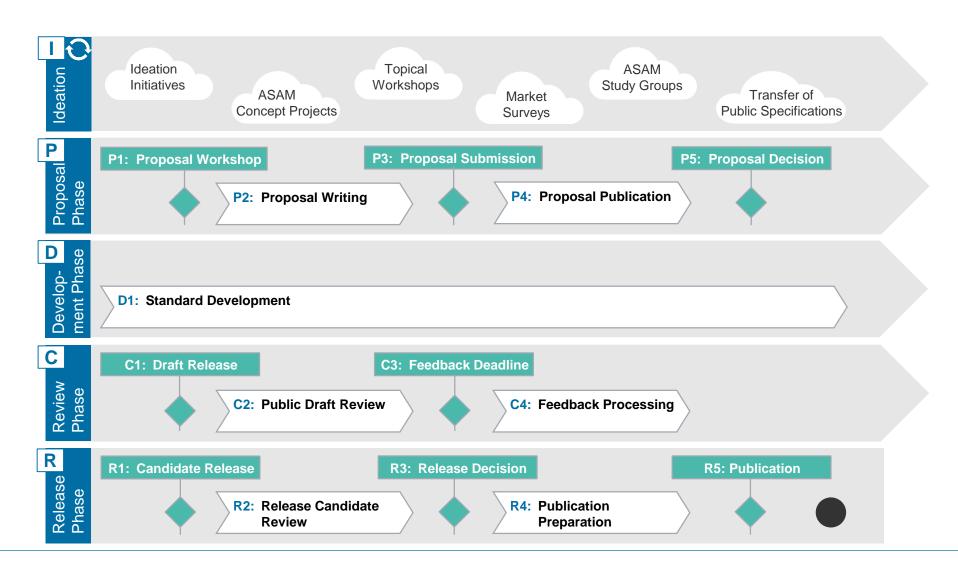
- Standard Development Projects:
- New Standard Development
- Major Version Development
- Minor Version Development
- Revision Version Development

- Other Projects:
- Implementation Project
- Concept Project
- Study Project



ASAM Development Process for Standards

From First Ideas to New Standards





ASAM Offers a Complete Environment for Standardization

Professionalism & Culture

- Proven processes for standards development and long-term maintenance.
- Time-to-Market: Low process overhead. Fast project turn-around times.
- Legitimacy: Decisions are made by elected industry representatives.
- Neutrality: The ASAM Office guarantees unbiased support for every company (big or small).
- Non-Profit Paradigm: Our goal is to provide best-in-class technologies in E/E-development.

Project Budget

- Membership fees are invested in technical projects (ROI can be higher than 100%, if a member uses ASAM a lot).
- ASAM pays for project service providers, e.g. standard writing, code development, prototyping, benchmarking, etc.
- Relieve experts from routine work. Let them focus on requirements, concept development and reviews.

Tools

- IT Infrastructure: Bugzilla, SVN, Adobe Shared Review.
- Communication Infrastructure: WebEx, Video conferencing (pilot phase successfully finished).

Network

- Large, worldwide network of experts in the Automotive E/E development domain, throughout all tiers.
- Collaboration with ISO, SAE, AUTOSAR, other SDOs*) and government agencies.

*) Standard Development Organizations



Worldwide Marketing & Distribution

ASAM Home Page

- Specifically geared towards standard promotion and distribution.
- Download of standards for members. Sales for non-members.
- Project information.
- Technical Wiki for standards.

Regional Membership Activities

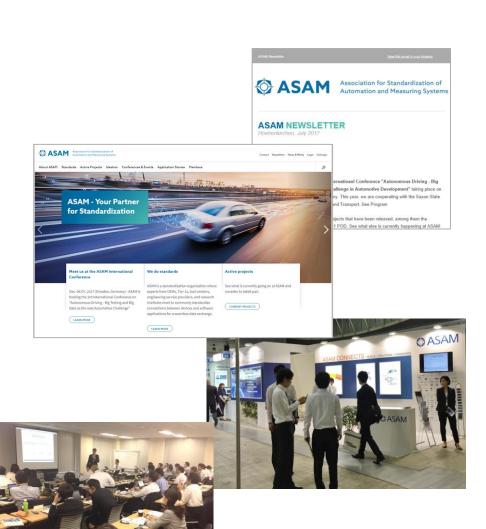
Regular meetings in EU, US and JP.

Public Relations

- Newsletter.
- Solutions guide.
- Trade show participation in emerging markets (JSAE, ...).

Training & Support

- Technical support for all standards (support@asam.net).
- Overview training on ASAM standard portfolio.
- Update training on new releases (upon request).





A New ASAM Domain for Highly Automated Driving Open* Standards



Transfer of OpenDRIVE® to ASAM

Contract Signed at DSC 2018, Juan les Pins



Open
Dynamic
Road
Information for
Vehicle
Environment



First Steps – Activities Scheduled

More Details will Follow

OpenDRIVE/OpenCRG

• 28.09.2018 9:00 a.m. – 17:00 p.m. Open* Standards Training for Japanese Organizations Tokyo

• 09.+10.10.2018 10:00 a.m. – 17:00 p.m. Kick-Off Workshop ASAM OpenDRIVE Höhenkirchen (incl. ASAM OpenCRG)

OpenSCENARIO

• 17.09.2018 10:00 a.m. – 17:00 p.m. Use Case and Requirements Workshop Höhenkirchen

• 13.11.2018 10:00 a.m. – 17:00 p.m. Kick-Off Workshop ASAM OpenSCENARIO Kaiserslautern

Status: as of today



Let's start!



Thank you!

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For more information on ASAM visit

www.asam.net

