

FOR IMMEDIATE RELEASE

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## Press Release

### **ASAM released first standard completely developed in Japan**

ASAM e.V. (Association for Standardization of Automation and Measuring Systems) announces the release of the first standard that has been completely developed outside of Europe: ASAM HMS (HEX File Management System) was developed in Japan by automotive heavyweights such as Toyota, Honda and Hino and their suppliers. This proves that ASAM is gaining in importance and influence internationally. ASAM HMS describes an interface to associate metadata to so-called HEX files that are used for the development and test of complex and interconnected Electronic Control Units (ECUs). It is particularly relevant for the development of highly automated and autonomous driving functions.

**Hoehenkirchen, GERMANY – June 23, 2020** – ASAM is announcing the release of the first standard that has been completely developed outside of Europe. ASAM HMS (HEX File Management System) is based on the input of the Japanese automotive heavyweights Toyota, Honda und Hino and their suppliers and is distributed worldwide. The decision to develop and publish the standard within ASAM demonstrates the reach and importance of the standardization organization far beyond Europe.

ASAM HMS (Hex File Management System) has been developed by OEMs and Tool Vendors in Japan with the goal to facilitate the development and test of vehicles. The increasing complexity and interconnection of ECUs, particularly in the areas of Advanced Driver Assistant Systems (ADAS) and Autonomous Driving, require an accurate data and file management. ASAM HMS defines an interface that allows the user to associate important metadata from different sources with files and containers (so-called HEX files) that are used to develop and test ECUs. The data are systematically documented and stored and easy to be searched and retrieved. This avoids wrong test results and errors that are time-consuming to find. The Japanese expert group expects that ASAM HMS will help them to save valuable development time and costs.

ASAM standards are recommendations, they do not have an impact on regulatory framework. Their purpose is to facilitate data exchange between supplier and client and to allow distributed development. Interfaces standardized by ASAM allow users to exchange and interconnect tools from different suppliers. Thus, ASAM standards smoothen processes, allow to reduce costs and to increase quality. ASAM standards are limited to non-competitive areas, their application is optional.

Since 2012, the number of Japanese members within ASAM has steadily increased. With more than 40 member companies (incl. large OEMs like Toyota, Honda, Hino, Mazda, Nissan, Subaru and Yamaha), Japan is today the second largest member group after Germany. Not only the application of ASAM standards in Japan has multiplied since. The Japanese members are increasingly participating in the development of standards. With ASAM HMS, the first standard developed entirely in Japan is now coming onto the market. The next Japanese standard is already in development.

„We feel very proud that Japanese companies have so much trust in our organization. Already in the past, our Japanese members have contributed significantly to several ASAM standards. ASAM HMS is now the first standard that has been completely developed in Japan. It will be distributed internationally via the ASAM website,“ states Dr. Klaus Estenfeld, managing director of ASAM e.V.

#### About ASAM e.V.

ASAM e.V. (Association for Standardization of Automation and Measuring Systems) is actively promoting standardization in the automotive industry. Together with its more than 300 member organizations 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 entire vehicle. The ASAM portfolio currently comprises 33 standards that are applied in tools and tool chains in automotive development worldwide.

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