TWO STANDARDS, ONE TOOL CHAIN

ASAM XIL's API for model access is used in FMI-compliant tools. Due to a collaboration between ASAM and the Modelica FMI project, the model access port in ASAM XIL is used as the functional mock-up interface for applications.

- Choose from a wide range of FMI-compliant simulation tools for your test system.
- Seamlessly integrate ASAM XIL-compliant test automation tools and FMI-compliant simulation tools.
- Reconfigure your test stand with different FMI simulation tools without major efforts.

Main contributors to the standard:





































Open-source software development:



M&K GmbH www.meskom.de

ASAM e.V.

Altlaufstr. 40 85635 Höhenkirchen Germany

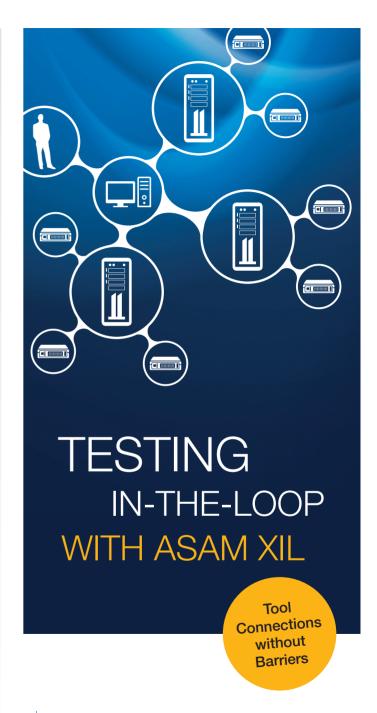
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ASAM





MIX AND MATCH THE BEST COMPONENTS

ASAM XIL is an open API standard, which connects test automation tools and test benches. The API is vendor-independent, allowing users to choose the best components from different tool vendors and integrate them without major efforts into one test system.

- Use the same test automation system in all testing stages, e.g. model-in-the-loop (MIL), software-in-the-loop (SIL) and hardware-in-the-loop (HIL).
- Use encapsulated access to important test system components, such as access to the simulation model, ECU software, ECU diagnostics, ECU electrical components and the network.
- Easily connect the best hardware with your preferred simulation software.
- No more tool-proprietary data formats and hardware incompatibilities.

EXCHANGE TESTS WITHOUT BARRIERS

ASAM XIL decouples tests from the test system, so that tests can be written once and re-used on different test benches without major migration efforts.

- Reuse test cases within the same automation software on different test hardware.
- Exchange test cases between customers and suppliers.
- Avoid test errors due to wrongly converted units and physical dimensions.
- Reduce training costs by applying the same knowledge at different test benches in your company.

SAVE DEVELOPMENT COSTS WITH OPEN-SOURCE SOFTWARE

ASAM XIL comes with a C# source code library, which contains open source software that can be used to implement the XIL API. It covers a significant amount of the standard's non-competitive API methods. The software was written by an external service provider which guarantees high quality and availability of technical support.

THE SOFTWARE CONTAINS:

- C# source code for XIL framework components
- 484 methods
- 8662 lines of code
- Estimated cost savings: € 50 000,-

ASAM XIL 2.0 System Architecture

