Comfortable Peer Review of Guideline Compliance with MES Model Examiner® V.4.0

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MES releases version 4.0 of MES Model Examiner® DRIVE (MXAM).

The new generation of the market-leading compliance testing tool for software models, MXAM v.4.0 has optimized reporting functionality that provides users with comfortable peer review capability for guideline compliance. Furthermore, the latest version of MXAM provides users with additional guideline documents for model testing.

A model for the future: peer review of guideline compliance with MXAM v.4.0

Model reviews require teamwork and effective communication. Having team members in separate rooms may already impede the exchange of information. This is a major challenge for OEMs and suppliers, since models are often processed at different locations in different countries and made available centrally. In the automotive industry the ISO 26262 safety standard specifies software model review and model testing requirements for guideline compliance. The review process and its results must be documented. Furthermore, all exceptions must be justified and documented as well. MXAM supports the entire workflow for automated and manual model testing with regard to guideline compliance. Justifications for exceptions can also be easily documented and saved with annotations in MXAM v.4.0 without modifying the model, leaving the review artifact untouched. The annotations gathered during the model review for guideline compliance are saved in analysis reports, then loaded back into MXAM. In addition, each stage of editing can be completely restored to continue the model review in MXAM. If a user is only to view reports, data access in 'Read-only' mode prevents unauthorized modifications. This allows several developers to create annotations and peer reviews of reports in parallel – a significant increase in the efficiency of implementing model reviews with regard to guideline compliance.

Modeling guidelines for dSPACE TargetLink - version 4.0.3 available in MXAM

Furthermore, new guideline documents will be provided in the latest release of MES Model Examiner® DRIVE v.4.0. The new document titled 'Modeling Guidelines for dSPACE TargetLink - Version 4.0.3' includes all guidelines recently published in the official dSPACE TargetLink® guideline document in version 4.0.3. In addition, the 'MES Guidelines – Collection of Best Practices' complement existing standards with new aspects of high quality modeling.

About MES: Software Quality. Made in Germany.

Model Engineering Solutions GmbH (MES) is the competence center for model-based software in the car. Structured along three main areas, (1) MES Quality Tools, (2) MES Test Center, and (3) MES Academy, MES offers ideal support for integrated quality assurance. The MES Quality Tools are software tools to achieve highest quality. MES Model Examiner® (MXAM) is the first-choice solution for checking modeling guidelines. The MES Test Manager® perfectly implements requirements-based unit testing in model-based development. MES Quality Commander® (MQC) evaluates the quality and product-readiness of your software and delivers key decision-making data throughout the product development lifecycle. The MES Test Center includes testing services from requirements management, through setting up test specifications, and automated test evaluation, to quality monitoring. The MES Academy provides training workshops and seminars and supports customers seeking to introduce or enhance their model-based development processes, new technologies such as AUTOSAR, or to fulfill standards such as ISO 26262 with individual consulting and services. MES clients include major OEMs and suppliers to the automotive industry worldwide. MES is a TargetLink® Strategic Partner of dSPACE GmbH and a MathWorks and ETAS Product Partner.

- Comfortable Peer Review of Guideline Compliance with MES Model Examiner® V.4.0 (85.8 KiB)