Promoting the ISO 26262 Safety Culture: 3 Quality Assurance Techniques for Model-Based Software Development

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MES Inc. and LHP will hold a joined webinar on August 1, at Noon pm (EDT)

The partners LHP Engineering Solutions and Model Engineering Solutions Inc. (MES) are pleased to announce a joined webinar on the topic of “Promoting the ISO 26262 Safety Culture: 3 Quality Assurance Techniques for Model-Based Software Development.” The webinar addresses developers modelers, testers, developers, project leaders, and quality managers. Participation is free of charge.

Safety Culture for Model-Based Software Development

Adding a Safety Culture to Model-Based Software Development

ISO 26262 is an automotive standard for safety critical applications, and introduces a number of topics that are not common practice in the industry. One of the high level changes is establishing a “Safety Culture” where safety is one of the highest priorities. This is contrary to the traditional priority list where schedules and cost are some of the highest priorities.

This webinar will discuss 3 quality assurance techniques that support the Safety Culture for Model-Based Software Development. These techniques will focus on Part 6 sections 7 through 10 (SW Arch, SW Unit Design and Implementation, SW Unit Testing, and SW Integration Testing).

Part 6 lists a number of principles of software architectures that many people do not know how to quantify and implement. Technique 1 addresses these principles. Technique 2 will address the vague statement that a modeling style guide is needed without describing the content. Finally, Technique 3 will address testing and how to do some of the required tracing, (automated) validation, and documentation.

Date 1: Wednesday, August 01, 2018
Time: Noon EDT (Detroit)

Registration

Participation is free of charge.

Register via https://www.model-engineers.com/webinars.html

About LHP Engineering Solutions
LHP Engineering Solutions is a U.S. based technology integrator and engineering services provider to world-class automotive customers. LHP works with technology leaders facing increasingly complex embedded electronic control systems amidst the escalating demands of industry standards. LHP assists companies in creating scalable core technologies and processes that will serve their business through growth, meet challenges of increased complexities, and inform strategic decisions.

**About MES Inc.: Software Quality. In Control.**

Founded in 2006 in Berlin (Germany), the software company Model Engineering Solutions (MES) offers solutions for integrated quality assurance of software projects. Its US subsidiary Model Engineering Solutions Inc. (MES Inc.) was founded in 2018. MES offers its customers in developing model-based software in compliance with industry standards such as IEC 61508, ISO 25119, and ASPICE. The MES toolchain comprises four complementary tools for all phases of the model-based software development process: the MES Quality Tools. The MES Model Examiner® (MXAM) conducts automated checks to verify compliance with modeling guidelines for MATLAB Simulink®, Stateflow®, Embedded Coder®, TargetLink®, and ASCET models. The MES Test Manager® (MTest) perfectly implements requirements-based unit testing in model-based development. MES M-XRAY®’s fast and precise structure and complexity analysis gives you complete transparency of your Simulink®, Stateflow®, Embedded Coder®, and TargetLink® models. 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 Quality Tools are optimized for use in MathWorks Embedded Coder® and dSPACE TargetLink® environments. The MES consulting provides full-scale guidance and support in analyzing, introducing, and optimizing software development processes in compliance with ISO 26262, ASPICE, and AUTOSAR. MES Inc. offers training classes for modelers, testers, developers, project leaders, and quality managers to enhance their model-based development process and deliver standard-compliant software of the highest quality. ISO 26262 is the core competence, and training classes offer the chance to achieve the SAE Certificate of Competency. MES clients in the automotive industry include 16 of the 20 largest OEMs worldwide and their suppliers. In addition to this, the number of MES customers in the automation technology field grows continuously. MES is a TargetLink® Strategic Partner of dSPACE GmbH and a MathWorks and ETAS Product Partner. The MES Academy collaborates with SAE International and LHPU.