Comfortable Testing – Cleverly Combined

Nov 08, 2013 11:33

Berlin, Munich, 8.11.2013 – The new interface of MTest enables a fully automated transfer of test specifications from the classification tree editor CTE XL Professional. The direct data transfer makes testing and evaluation of MiL-, SiL-, and PiL-simulations with MTest in compliance with ISO 26262 regulations remarkably convenient and efficient. The target-oriented implementation of the legal requirements of ISO 26262 such as equivalence class testing and boundary-value analysis has never been this easy.

Automatic Transfer

MTest by Model Engineering Solutions (MES) supports and automates all test functions for requirements-based module tests of Simulink®, TargetLink®, and Embedded Coder™ models according to ISO 26262. With the new interface for CTE XL Professional by Berner & Mattner, MTest supports an additional validation method to define test data – besides measurement data, Excel, and MTCD. For the fully automated transfer of test specifications MTest creates a CTE XL Professional template for the whole classification tree right up to the initial test sequence. The test engineer specifies test sequences in the generated template with CTE XL Professional. MTest then transfers the test sequences fully automatically. MTest thereby offers supreme comfort to test engineers for the consolidation and evaluation of test results. Furthermore, all established features of CTE XL Professional are available in their entirety: test case generation, dependency rules, test prioritization, as well as the automatic generation of test sequences. MES proves once again that convenient and efficient application is the focal points of its software tools.

Graphic Editor for Classification Trees

The context sensitive editor CTE XL Professional by Berner & Mattner is a powerful tool for the systematic specification and implementation of test cases. The application ranges from system requirements analysis to automated test case implementation, and allows a faster and higher quality preparation of test specifications. Besides the automated test case generation and open interfaces to numerous tools, it supports requirements tracing in development and testing, and enables a measurable assessment of test coverage.

Model Engineering Solutions, Berlin

Model Engineering Solutions (MES) specializes in integrated quality assurance of embedded software in vehicles. MTest serves test execution and evaluation for MiL, SiL, and PiL simulation in compliance with ISO 26262. The Model Examiner (MXAM) is MES`s classic tool and should be your first choice for checking guideline consistency of Simulink® and TargetLink® models. MES also provides individual consulting services and customized training programs for companies wishing to introduce or enhance their existing model-based development processes, use new technologies such as AUTOSAR, or fulfill new requirements such as ISO 26262. Amongst MES`s clients are major OEMs and suppliers from the automotive industry. MES is a TargetLink Strategic Partner of dSPACE GmbH and a MathWorks Product Partner.

Berner & Mattner Systemtechnik, Munich

Berner & Mattner specializes in systems engineering, development and testing of complex electronic and

mechanical systems. They offer a variety of services ranging from consultancy, conceptual design, software, and system development to the setup and operation of entire test and integration systems. As a strategic partner for their customers` development departments of the automotive, energy, defense, mechanical engineering, space and transportation industries, Berner & Mattner provides customized software and engineering solutions based on its products and services. In doing so, they optimize efficiency and quality of their customers` software and system development. This is why leading companies such as Audi, BMW, Bombardier Transportation, Daimler, Deutsche Bahn, Siemens, and many more have been placing their trust in Benrer & Mattner`s expertise. Founded in 1979 and based in Munich, Berner & Mattner currently employs 450 professionals at 7 locations in Germany and Austria, and is a member of the Assystem Group. For further information about Berner & Mattner, please visit www.berner-mattner.com.

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