Rule checker supports MISRA TargetLink rules

Christoph Hammerschmidt - September 02, 2008

MUNICH, Germany — With Model Examiner 1.2, the software technology company Model Engineering Solutions (MES) introduces a new version of the rule checker for Simulink and TargetLink Models. The software enables developers of Automotive MPU to check automatically their TargetLink Models generated by the dSpace code generator on compliance with MISRA-TargetLink rules. Thus, designers can save development time and shorten time-to-market.

In addition, the support for MISRA TargetLink rules defined in MISRA-AC-TL (please see www.misra.org.uk also translates into a gain of design safety since due to the complexity and size of current Models and the multitude of rules, rule checks are a significant challenge for designers.

Model Examiner 1.2 also supports automatic MathWorks Automotive Advisory Board (MAAB) rule checks as well as dSpace's own TargetLink rules. In particular, the development of safety-critical software requires modeling rules and thus the constriction to a safe language subset.

Besides examining the code on rule violations, MES' Model Examiner in many cases also supports automatic correction. In addition it offers functions for the automatic generation of documents. Product-specific rule sets can be set up and applied to Simulink and TargetLink Models. The Model analysis can be launched either via the Model Examiner GUI or via scripts. Thus, designers can easily integrate the Model Examiner into an existing toolchain.

MES and dSpace also announced to cooperate in the further development of Model checks for MISRA TargetLink rules as well as for Autosar modeling rules.

Valuable Links:

Model Engineering Solutions GmbH: http://www.model-engineers.com
dSpace GmbH: www.dspace.de/ww/de/gmb/home.cfm