

Product News

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IAR Embedded Workbench certified for functional safety development

IAR Embedded Workbench for ARM is available with certification from TÜV SÜD according to IEC 61508 and ISO 26262, delivered with an exhaustive functional safety support agreement

Uppsala, Sweden—April 9, 2013— IAR Systems®, the world's leading supplier of development tools for embedded systems, today announced that the build chain of the tool suite IAR Embedded Workbench® for ARM® has been certified by TÜV SÜD as a qualified tool for development of safety-related applications. In conjunction, IAR Systems also announced the availability of a special support agreement for customers working with safety-critical development.

IAR Embedded Workbench for ARM has been tested and approved according to the requirements on support tools put forth in International Electrotechnical Commission (IEC) 61508, the international umbrella standard for functional safety, as well as International Organization for Standardization (ISO) 26262, which is used for automotive safety-related systems. IEC 61508, and standards derived from it, is used within all kinds of industries with requirements on reliability and safety, for example process industries, the oil and gas industry, nuclear power plants, machinery, and railway control systems.

The assessment has covered the relevant parts of IAR Systems' development processes, as well as the safety-related customer documentation and the customer support. The quality assurance measures applied by IAR Systems and the included Safety Manual allow customers to use IAR Embedded Workbench for ARM in safety-related software development for each Safety Integrity Level (SIL) according to IEC 61508 and each Automotive Safety Integrity Level (ASIL) of ISO 26262 without further tool qualification.

“Since the number of embedded systems with functional safety requirements is growing and the safety standards require tools to be qualified, there is an increasing demand for pre-qualified development tools” comments Günter Greil, division manager Generic Safety Systems, TÜV SÜD Rail GmbH. “TÜV SÜD has performed an assessment on the build tool chain integrated in IAR Embedded Workbench for ARM, which proved that it is able to fulfill the certification requirements. The toolchain is suitable for use in safety-related development.”

"The certification is a true acknowledgment of the high quality of our products," says Stefan Skarin, CEO of IAR Systems. "Our solution builds on many years' experience in supporting customers in different industries developing safety-related functionality. By using our tools, companies can simplify their certification process, save time as well as money, and be sure their tools investment is protected through the entire product life cycle."

The certified version is delivered with a functional safety certificate, as well as a safety report from TÜV SÜD and a Safety Manual. With the certified tool suite, IAR Systems provides a Functional Safety Support and Update Agreement with guaranteed support for the sold version for the longevity of the contract. In addition to prioritized technical support, the agreement includes access to validated service packs and regular reports of known deviations and problems. More information is available at www.iar.com/safety.

IAR Embedded Workbench for ARM is a complete development tool suite for creating embedded applications. It includes high-performance compiler and debugger tools incorporated in an easy-to-use integrated development environment. Download free evaluation licenses from www.iar.com/ewarm.

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About IAR Systems

IAR Systems is the world's leading supplier of software tools for developing embedded systems applications. The software enables over 14 000 large and small companies to develop premium products based on 8-, 16-, and 32-bit microcontrollers, mainly in the areas of industrial automation, medical devices, consumer electronics, telecommunication, and automotive products. IAR Systems has an extensive network of partners and cooperates with the world's leading semiconductor vendors. IAR Systems Group AB is listed on NASDAQ OMX Stockholm. For more information, please visit www.iar.com