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EMBEDDED

Parasoft C++test certified by TÜV SÜD

PRESS RELEASE

Parasoft Embedded Corporation, leading provider of automated solutions that improve software quality and the development process for embedded systems, today announced that C++test has been certified by TÜV SÜD to be qualified for safety-related software development according to IEC 61508 and ISO 26262 standards.

Safety functions are increasingly being carried out by electrical, electronic, or programmable electronic systems. These systems are usually complex, making it impossible in practice to fully determine every failure mode or to test all possible behavior. Although it is difficult to predict the safety performance, testing is still essential. The challenge is to design the system in such a way as to prevent dangerous failures or to control them when they arise.

With this trend of increasing complexity, software content, and mechatronic implementation, there are rising risks of systematic failures and random hardware failures. IEC 61508 and its derivatives (e.g. IEC 61513, IEC 62061) as well as ISO 26262 - the upcoming adaptation of the IEC 61508 for the automotive electric/electronic systems - include guidance to reduce these risks to a tolerable level by providing feasible requirements and processes.

Parasoft C++test helps software development teams to develop/verify safety related software in compliance with IEC 61508 or ISO 26262 and achieve desired safety integration level (SIL/ASIL). A broad range of analysis types—including coding standards compliance analysis, data and control flow analysis, unit testing, application monitoring, workflow components, and automated peer code review process—together with the configurable test reports containing high level of details, significantly facilitates the work required for the software verification process.

For more information please visit :

<http://www.parasoft-embedded.com/SIL>

<http://www.parasoft-embedded.com/ASIL>

<http://www.parasoft-embedded.com/ISO26262>

About Parasoft Embedded

Parasoft Embedded, a division of Parasoft Corporation, develops and markets embedded development tools and solutions that leverage proven software verification methods to achieve greater productivity, shorter time to market, and significantly fewer software defects. We help developers code smarter and test faster by capturing human intelligence and converting it into repeatable processes.

About TÜV SÜD

TÜV SÜD is a leading international service organization offering the broad range of expertise in consulting, testing, certification and training. It helps industry companies to ensure that their technology, systems and know-how are optimized, thus strengthening its customers' global competitiveness.

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