

eSOL Seeks ISO 26262 Automotive Safety Standard Certification for Real-Time OS, IDE

Certification of RTOS and IDE Will Support Car Manufacturers and Automotive Device Suppliers

Tokyo, Japan. November 6, 2013 – eSOL, a leading developer of real-time embedded software solutions, today announced that eSOL is seeking ISO 26262 automotive functional safety standard certification for its eT-Kernel real-time OS (RTOS) and its eBinder IDE.

eSOL expects to offer its eT-Kernel Platform Automotive Safety Package to users of the eT-Kernel Platform in the second quarter of 2014—as soon as the third-party certifier determines that eSOL's RTOS and IDE meet Automotive Safety Integrity Level (ASIL) B requirements. The eT-Kernel Platform, which contains the eT-Kernel and eBinder IDE, serves as the basis for the eT-Kernel Platform Automotive Safety Package. eSOL's eT-Kernel Platform Automotive Safety Package consists of documents including safety manuals and reports that will substantially reduce costs for car manufacturers and automotive device suppliers obtaining ISO 26262 certification for products such as Advanced Driver Assistance Systems (ADAS).

eT-Kernel RTOS features high reliability and fast real-time capability. Thanks to its scalable architecture, the multi-profiled eT-Kernel is compliant with POSIX, uITRON, and T-Kernel. Its tightly integrated eBinder IDE, designed specifically for developing RTOS-based software, ensures efficient development with high-quality results. The

eT-Kernel Platform, already used in many in-vehicle automotive infotainment systems, will allow developers to meet ISO 26262 auto safety requirements for their automotive systems while securing proven reliability and real-time capability.

As a member of Automotive Open System Architecture (AUTOSAR) and Japan Automotive Software Platform and Architecture (JASPAR), eSOL contributes to standardization in the area of in-vehicle system technology and offers the latest advances in technology in its products and services. eSOL has actively worked within the JASPAR functional safety working group to develop guideline descriptions and templates for ISO 26262 safety conformance.

In addition to its eT-Kernel Platform, eSOL provides ISO 26262 conformance assistance based on its depth of both knowledge and engineering resources to meet the many needs of car manufacturers and automotive device suppliers. eSOL offers support in the form of customization services as well as consulting services that include process improvement and architecture analysis. To further help its clients and partners meet their needs, eSOL offers the fRSTL IEC61508- and ISO 26262-compliant software library from Yogitech—one of the pioneers in the functional safety arena—in addition to eSOL's own ECUSAR AUTOSAR tools for automotive systems development.

eSOL received ISO9001 international quality management system certification in August 2006 and has continuously improved the quality of its software products and services. As part of its commitment to ensuring high quality in automotive, factory automation, industrial, and medical devices, eSOL has since developed and abides by its own

supplemental and original advanced quality management systems and standards.

“Adherence to functional safety standards such as ISO 26262 in automotive systems development is becoming a requirement in the market,” said Hiroaki Kamikura, General Manager of the Embedded Products Division, eSOL. “eSOL wants to support automotive software developers in achieving ISO 26262 functional safety certification at a lower cost and in less time by providing its eT-Kernel Platform Automotive Safety Package along with a wide range of professional services.”

About eSOL

eSOL is a leading embedded software developer that enables customers to accelerate development of applications based on high-end single-core, multi-core, and many-core embedded processors. eSOL's advanced, scalable, multi-profiled real-time operating systems are tightly integrated with development tools and middleware components to create flexible development platforms used by OEMs and ODMs worldwide in competitive vertical markets such as automotive, consumer electronics, industrial and medical equipment, and aerospace. Founded in 1975, eSOL is based in Tokyo, Japan.

For more information, please visit <http://www.esol.com/>