

## **AUTOSAR-RTE from Vector Receives Certification for ISO 26262 up to ASIL D**

**Stuttgart/GERMANY, 2017-08-24 – The AUTOSAR Runtime Environment (RTE) from Vector fulfills the requirements of ISO 26262 up to ASIL D. exida – an internationally recognized specialist in functional safety – certified this on August 21, 2017. By using the new RTE, ECU developers can avoid much of the effort required to qualify the generated RTE for safety-related applications.**



The AUTOSAR RTE is the runtime environment for software components of the application software. It is fully generated for each ECU to combine application components and the basic software for a perfect match. As fully generated, up to now a conventional RTE had to be qualified for the most part for each project in order to argue its use in safety-related applications. The ISO 26262 certified RTE from Vector now greatly reduces the effort required for this project-specific qualification. The related safety concept is based on qualification of the RTE generator and the use of an automated analysis tool.

Unlike other offerings on the market, Vector has implemented a solution that is entirely tool-supported. An analysis tool enables testing of the RTE for interference-free write accesses to memory. The automatically generated report supports the integration test required by ISO 26262. Another advantage of the Vector RTE is that it now permits mapping of safety requirements directly to the RTE. In combination with the safe AUTOSAR basic software from Vector, this makes it possible to develop safety-related applications which meet high demands for runtime behavior with minimal qualification effort.

The AUTOSAR RTE from Vector, which is ISO 26262 certified to ASIL D, will be included with MICROSAR Safe basic software, which is also certified, and is now available for all microcontrollers commonly used in the automotive field.

More information at: [www.vector.com/safety](http://www.vector.com/safety)



Figure: Confirmed by exida: The AUTOSAR RTE from Vector fulfills the requirements of ISO 26262 up to ASIL D.  
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Vector has been a partner of automotive manufacturers and suppliers and related industries since 1988. Vector tools and services provide engineers with the decisive advantage to make a challenging and highly complex subject area as simple and manageable as possible.

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