

[New release]

R20TS0513EJ0100

Rev.1.00

IEC 61508 Certification Kit for RX Compilers V3.01.00

Dec. 16, 2019

## Outline

The IEC 61508 certification kit for RX compilers V3.01.00 which supports IEC 61508 certification for customers will be released. RX Compiler CC-RX V3.01.00 supports the instruction set architecture of the RXv1, RXv2, and RXv3 cores of the RX family.

## 1. Features

Our IEC 61508 certification kit for RX compilers V3.01.00 provides all the documents required for acquiring certification on software tools in development of functionally safe industrial systems, such as the IEC 61508 certificate. This certification kit can significantly reduce the workload for software tool validity checking required for acquiring IEC 61508 certification.

Additionally, Renesas Electronics Corporation provides solutions for assuring the functional safety of industrial equipment.

Using a combination of this certification kit and these solutions enables you to reduce workload in developing functionally safe industrial systems using the RX family.

For details on the IEC 61508 certification kit for RX compilers and our solutions to assure functional safety in industrial equipment, refer to the URL below.

- IEC 61508 certification kit for RX compilers

<https://www.renesas.com/iec61508-certification-kit-rx-c>

- Functional safety solution for industrial automation

<https://www.renesas.com/functional-safety-solution-for-industrial-automation.html>

### 1.1 Contents of the Product

The IEC 61508 certification kit for RX compilers V3.01.00 provides the following documents:

- IEC 61508 certificate issued by TÜV Rheinland for C/C++ compiler for RX family V3.01.00
- Report about the evaluation of Renesas Compiler Suite CC-RX V3.01.00
- IEC 61508-certified safety manual for C/C++ compiler for RX family V3.01.00
- Failure information for C/C++ compiler for RX family V3.01.00

(Description of failure, conditions, workaround)

Note: The IEC 61508 certification kit for RX compilers V3.01.00 does not include the C/C++ compiler package for RX family. The C/C++ compiler package for RX family must be purchased separately.

### 1.2 Supported Compiler

C/C++ Compiler for RX family V3.01.00

### 2. Purchasing the Product

For product ordering, contact your local Renesas Electronics sales office or distributor.

For product pricing, make inquiries in the same manner.

On-sale date: December 23, 2019

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Dec.16.19	-	First edition issued

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