



Certificate / Certificat Zertifikat / 合格証

SEC 1110047 C001

exida hereby confirms that the:

RTMSafety Robotic Middleware Platform

**Systems Engineering Consultants Co., Ltd.
Tokyo, Japan**

The manufacturer
may use the mark:



Has been assessed per the relevant requirements of:

IEC 61508 : 2010 Part 3

and meets requirements providing a level of integrity to:

Systematic Integrity: SC 3 (SIL 3 Capable)

Valid until Oct. 1, 2026
Revision 3.4 Oct. 1, 2023

Safety Function:

RTMSafety is a platform for networked robotic systems. Its primary safety function is to communicate data reliably between network enabled robotic elements called RT-Components.

Application Restrictions:

The unit must be properly designed into a Safety Instrumented Function per the Safety Manual requirements.



ANSI Accredited Program
PRODUCT CERTIFICATION
#1004



Evaluating Assessor

Certifying Assessor

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Systematic Integrity: SIL 3 Capable

RTMSafety

Systems Engineering
Consultants Co., LTD
Tokyo, Japan

SIL Capability:

The product has met the software design process requirements of Safety Integrity Level (SIL) 3. These are intended to achieve sufficient integrity against systematic errors of design in the software.

A Safety Instrumented Function (SIF) designed with this product must not be used at a SIL level higher than stated without "prior use" justification by end user or diverse technology redundancy in the design.

SIL Verification:

The Safety Integrity Level (SIL) of an entire Safety Instrumented Function (SIF) utilizing this software must be verified via a calculation of PFD_{AVG} considering redundant architectures, proof test interval, proof test effectiveness, any automatic diagnostics, average repair time and the specific failure rates of all products included in the SIF. Each subsystem must be checked to assure compliance with minimum hardware fault tolerance (HFT) requirements.

The following documents are a mandatory part of certification:

Assessment Report: SEC 11/10-047 R001 V3 R4 or above

Safety Manual: RTMSafety User Manual, RTMSafety-SP-019 Revision 2.4, Section 3



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Sellersville, PA 18960

T-002, V3R3-3