

Certification for the IEC 62443-4-1 International Standard for Industrial Control System

Security

May 22, 2023

OMRON Corporation is pleased to announce that in March 2023, Controller Division, Product Business Division HQ. and Advanced Solution Business Division HQ.*¹ of its Industrial Automation Company obtained third-party certification for the IEC 62443-4-1 international standard, which defines process and organizational requirements for the development of secure control components to be used in industrial automation and control systems.

In recent years, there have been accelerated efforts to utilize the on-site data from manufacturing for the purpose of improving productivity and quality in a factory. As the visualization of the manufacturing floor has advanced, there has also been an increase in the importance of hedging against risks such as information leaks and production stoppages due to cyberattacks. In addition, as various devices used on the manufacturing floor are now connected to a network, security measures are now required for the production lines and production facilities in a manufacturing factory. Against this backdrop, as information technology advances globally, various countries are developing legal requirements for security measures, including the EU's Cyber Resilience Act and NIS2 Directive*², and China's Cybersecurity Law. In addition, industry associations are creating standards for security measures in the manufacturing industry, such as the ISO/SAE 21434*³ and SEMI E187/188*⁴. The IEC 62443-4-1 standard for which certification was acquired defines the requirements necessary for the development of secure control equipment and services throughout the product life cycle (planning, development, production, sales and maintenance). OMRON will contribute to the realization of high information security performance for customer factories and production equipment through the development and provision of highly secure controller products and software in accordance with the development processes of IEC 62443-4-1. We will continue to work on product and service development in a manner that enables our customers to use the products and services with confidence.

We will keep in mind OMRON's long-term vision of "Enriching the Future for People, Industries and the Globe by Innovative Automation" as we strive for Monozukuri innovation under our concept of advanced value generation. Controller Division provides products such as NJ/NX series of machine automation controllers and NY series of industrial PC platforms, and Advanced Solution Business Division HQ. provides "i-BELT" on-site data utilization service. Going forward, we will continue to

develop products and services with enhanced security functions that will promote stable factory operations and the visualization of work sites, to contribute to the resolution of manufacturing site issues that are emerging globally.

- *1. Advanced Solution Business Division HQ. is a department that creates and promotes services such as i-BELT service for the utilization of on-site data. It provides services that incorporate i-BELT Data Management Platform (i-DMP) software, which is an On-site Data Utilization Platform to collect, convert, store, and visualize on-site data from manufacturing.
- *2. The Network and Information Security 2 Directive. An EU directive defining cybersecurity risk management measures and reporting requirements in the EU for all the sectors covered, including for energy, transport, health and digital infrastructure.
- *3. An international standard that defines cybersecurity requirements in the automotive industry for the entire life cycle of automobiles, from their planning, design and production to their maintenance and disposal.
- *4. Industry standards that define cybersecurity requirements in the semiconductor industry for semiconductor equipment and systems. SEMI E187 defines cybersecurity specifications for fab equipment and E188 defines specifications for the incorporation of malware-free equipment.

Certificate



Cyber Security Management

CS Management (TÜV Rheinland)
IEC 62443-4-1:2018 (Edition 1.0)
CSM 136, Maturity Level 2 - Managed

Certificate No. 968.CSM 136.00/23

Certified Company & Location
OMRON Corporation
Shiokoji Horikawa
Shimogyo-ku
Kyoto 600-8530
Japan



Scope of Certification
IEC 62443-4-1:2018 (Edition 1.0)
Security for industrial automation and control systems
Part 4-1: Secure product development lifecycle requirements

Maturity Level 2: Managed

The certified company has successfully demonstrated that a Security Development Lifecycle Management Process "Omron Security Development Lifecycle for C-BU (OSDL-C)" has been defined according to IEC 62443-4-1.

This Certification only refers to the listed company location listed above.

This Certification does not imply approval or certification for specific security related development of products.

Validity
This certificate is valid until 2024-03-07

Dipl.-Ing. (FH) Wolf Rückwart

TÜV Rheinland Industrie Service GmbH
Bereich Automation
Funktionale Sicherheit
Am Grauen Stein, 51105 Köln

Cologne, 2023-03-07

TÜV Rheinland
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Certification Body Safety & Security for Automation & Grid
Further information referring to the scope of certification, see <https://www.tuv.com>

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CERTIFICATE

No. IITS1 039656 0367 Rev. 00

Holder of Certificate: **Omron Corporation**
Shioikoji Horikawa, Shimogyo-ku
Kyoto
600-8530
JAPAN

Site(s): **Omron Corporation
Industrial Automation Company
Advanced Solution Business Division HQ**
Shioikoji Horikawa, Shimogyo-ku,
Kyoto,
600-8530
JAPAN

Certification Mark:



Type: Industrial IT Security

Scope of Certificate: Secure Development Process

Applied Standard(s): IEC 62443-4-1:2018
PPP 15002B:2021 (IEC 62443-4-1 Full ML2 Process Profile)

The Certification Body of TÜV SÜD Product Service GmbH certifies that the company mentioned above has established and is maintaining a management system which meets the requirements of the listed standards. The results are documented in a report.
See <http://www.tuvsud.com/ps-cert> for details.

Report No.: 735000835-002_Rev01.docx

Valid until: 2028-03-20


 (Michael Hermes)

Date, 2023-04-13

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TÜV SÜD Product Service GmbH - Certification Body - Ridlerstraße 65 - 80339 Munich - Germany

TUV[®]

<Machine automation controllers>

<https://www.ia.omron.com/products/category/automation-systems/machine-automation-controllers/index.html>

<On-site data utilization service i-BELT >

For Europe area: <https://industrial.omron.eu/en/services-support/i-belt-data-services>

For Asia Pacific area: <https://www.omron-ap.com/service-support/i-belt-data-services/>

For China: <https://www.fa.omron.com.cn/solution/i-belt/>

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