

Accelerate cyber readiness with ISA/IEC 62443 comprehensive services

ISA/IEC 62443 is a family of standard that increases the security of industrial automation and control systems (IACS) against cyber attacks. The standard provides a systematic and practical approach to cybersecurity for industrial systems and individual products. From initial risk assessment to operations, UL Solutions provides professional expertise in the essential areas of the standard, including processes and capabilities at the system and individual product levels.



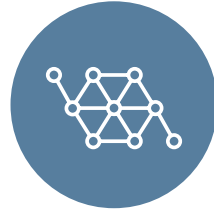
General

ISA/IEC 62443 outlines the general guidelines for establishing secure industrial networks. UL Solutions provides professional expertise in the areas of the standard that may mitigate cybersecurity threats to industrial networks and products.



Policies and procedures

Resilient systems are made of mature processes, a security program and an operational technology (OT) information security management system.



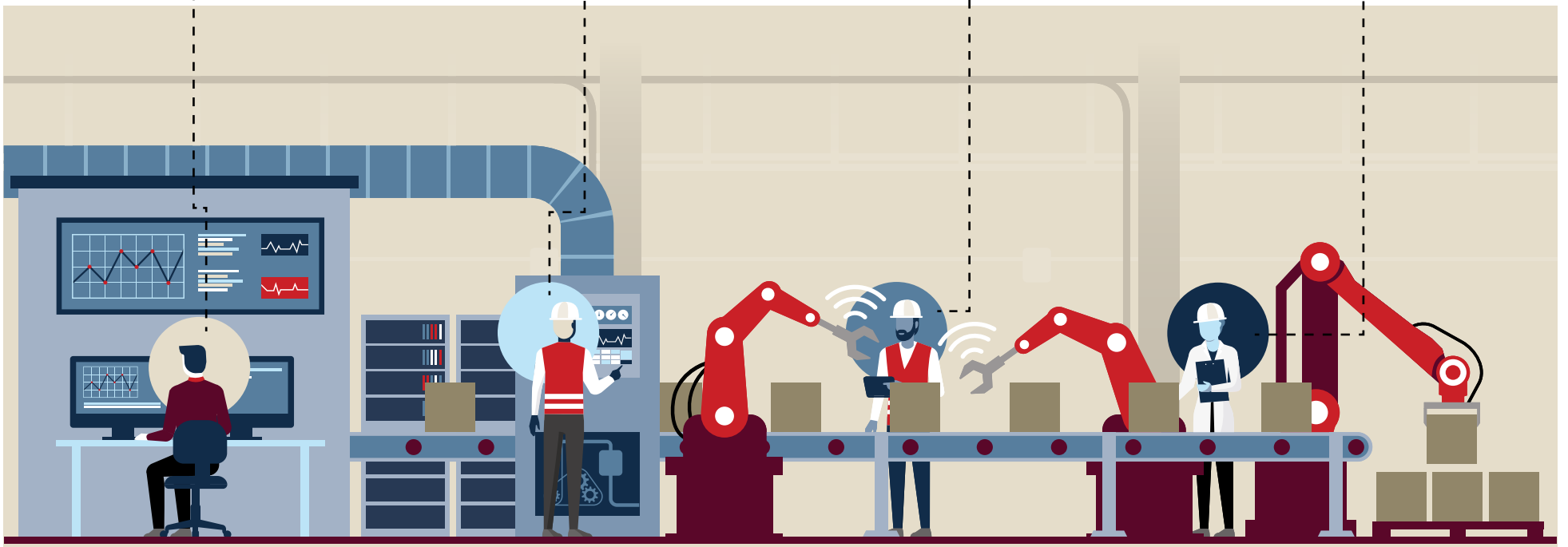
System

Manage supply chain complexity and risk, and update/maintain the system to the level of security required.



Component

Embed security into the development process, and determine the adequate level of security for products and systems aligned with operator needs.



EC TS 62443-1-1

Concepts and models

ISA/IEC TR 62443-1-2

Master glossary of terms and abbreviations

ISA/IEC 62443-1-3

System security conformity metrics

ISA/IEC TR 62443-1-4

IACS security lifecycle and use-cases

ISA/IEC 62443-2-1

Security program requirements for IACS asset owners

ISA/IEC TR 62443-2-2

IACS protection levels

ISA/IEC TR 62443-2-3

Patch management in the IACS environment

ISA/IEC 62443-2-4

Security program requirements for IACS service providers

System integrators and maintenance service providers

Requirements of security capabilities for service providers (integration, maintenance) who offer a portfolio of security services to asset owners.

ISA/IEC TR 62443-2-5

Implementation guidance for IACS asset owners

ISA/IEC TR 62443-3-1

Security technologies for IACS

ISA/IEC 62443-3-2

Security risk assessment and system design

System integrators

Requirements for a security system, the 62443 System Design concept, its application and risk management.

ISA/IEC 62443-3-3

System security requirements and security levels

System integrators

Technical controls requirements for systems based on Security Levels and 62443 System Design.

ISA/IEC 62443-4-1

Secure product development lifecycle requirements

Component and product manufacturers

Requirements for the secure development of products, definition of the Secure Development Lifecycle (SDL), applied by product manufacturers.

ISA/IEC 62443-4-2

Technical security requirements for IACS components

Component and product manufacturers

Requirements for technical control system components through the definition of Security Levels for the control system.

Learn more about our full suite of ISA/IEC 62443 services at ul.com/iec62443