



Setting the Standard for Automation™

ISA's Suite of Standards, Training, and Technical Resources is the Key to Protecting Industrial Automation and Control Systems

The International Society of Automation is a global leader in industrial automation and control system (IACS) cybersecurity standards and compliance, training and certificate programs, and educational resources.

At the core of ISA's leadership in IACS cybersecurity is the ISA/IEC 62443 series of standards. Developed by international cybersecurity experts from across industry, government, and academia, the standards are designed to prevent and mitigate IACS security vulnerabilities across all key industry sectors and critical infrastructure—including power generation, water treatment, petroleum and chemical processing, and other vital operations.

ISA's expertise in IACS cybersecurity standards prompted the Obama Administration to request the assistance of ISA and its umbrella association, the Automation Federation, to help prepare the US Cybersecurity Framework (released in early 2014) and to help implement the provisions of the US Cybersecurity Enhancement Act of 2014. The ISA/IEC 62443 cybersecurity standards are integral components of the US government's plans to combat industrial cyberattacks.

In addition, an affiliate of ISA, the ISA Security Compliance Institute (ISCI), has developed a widely recognized compliance and testing program called ISA Secure™ that ensures that IACS devices and equipment conform to the ISA/IEC 62443 standards. As such, this combination of ISA industrial cybersecurity standards and certification of IACS products and components offers greatly enhanced levels of cybersecurity across industry and critical infrastructure.

Of course, understanding and effectively implementing IACS cybersecurity standards and compliance programs also requires a skilled, knowledgeable workforce. The ever-increasing sophistication of industrial cyberattacks is creating a growing demand for qualified industrial cybersecurity professionals. ISA's proven expertise in IACS cybersecurity standards and compliance is the basis for a comprehensive series of ISA cybersecurity training courses (classroom and online) that address the complete "lifecycle" of cybersecurity knowledge requirements.

These training resources are further enhanced by ISA's cybersecurity certificate programs that are offered to those who successfully complete the requirements of ISA's cybersecurity courses. Passing certificate exams bestows specialist recognition and endorsement of a cybersecurity professional's subject-matter proficiency.

Professional expertise and knowledge in IACS security are reinforced through ISA's extensive reference publications, technical papers, and magazine articles on industrial cybersecurity, as well as its annual technical symposia and conferences.



Learn more about ISA's complete portfolio of cybersecurity resources—visit www.isa.org/cybersecurity