

TRAINING: WEDNESDAY MARCH 16,2016

Wednesday, March 16, 2016	
8:00am - 4:00pm	Introduction to Industrial Automation Security and the ANSI/ISA-62443 Standards (IC32C)
8:00am - 4:00pm	Introduction to the Management of Alarm Systems

OPTIONAL SHORT COURSES

Introduction to the Management of Alarm Systems (IC39C)

Length: 1 day

CEU Credits: 0.7

Course Hours: 8:00 a.m. – 4:00 p.m.

Description:

This course focuses on the key activities of the alarm management lifecycle provided in the ANSI/ISA18.00.02 standard, Management of Alarm Systems for the Process Industries. The activities include the alarm philosophy development, alarm rationalization, basic alarm design, advanced alarm techniques, Human Machine Interface (HMI) design for alarms, monitoring, assessment, management of change, and audit.

You will be able to:

• Develop an Alarm Management Philosophy	• Identify types of alarms
• Discuss rationalization, classification, and prioritization of alarms	• Design basic alarms
• Determine when advanced alarm techniques should be used	• Document alarms for operations
• Design reports for monitoring and assessment of alarm system performance	• Manage changes to alarm systems
• Test and audit alarm systems	•

You will cover:

• The Business Case for Alarm Management	• The Common Problems in Alarm Systems
• The Alarm Management Lifecycle	• Philosophy
• Identification	• Rationalization
• Basic Alarm Design	• Advanced Alarm Design
• HMI Design for Alarms	• Implementation
• Operation	• Maintenance
• Monitoring and Assessment	• Management of Change
• Audit	• Starting Points for Alarm Management
• Sustaining Alarm Management	•

Lab and Classroom Exercises:

- Alarm identification
- Alarm objective analysis
- Alarm classification
- Alarm prioritization
- Alarm monitoring

Recommended Resources:

- Alarm Management: Seven Effective Methods for Optimum Performance, by Bill R. Hollifield and Eddie Habibi

Includes ISA Standard:

- ANSI/ISA18.00.02 Management of Alarm Systems for the Process Industries

If you wish to register offline, download the Training Registration Form, complete, and return to ISA with your payment. Not sure this particular course is for you?

A pre-instructional survey is available for you to evaluate your level of understanding of the course material and to show you the types of questions you'll be able to answer after completing the course. See more at <https://www.isa.org/templates/two-column.aspx?pageid=124407#sthash.SQ07x1QP.dpuf>

EVENT STARTS: March 16, 2016

LOCATION: Rochestown Park Hotel

\$630 USD (€ 575)

\$520 USD (€ 475) Members

Introduction to Industrial Automation Security and the ANSI/ISA-62443 Standards (IC32C)

Length: 1 day

CEU Credits: 0.7

Course Hours: 8:00 a.m. – 4:00 p.m.

Description: "It gave me a general overview of how to setup security measures." – Donald Peck, Utility SCADA Supervisor

Understanding how to secure factory automation, process control, and Supervisory Control and Data Acquisition (SCADA) networks is critical if you want to protect them from viruses, hackers, spies, and saboteurs.

This seminar teaches you the basics of the ISA/IEC 62443 standards and how these can be applied in the typical factory or plant. In this seminar, you will be introduced to the terminology, concepts, and models, as well as the element of creating a cybersecurity management system will be explained along with how these should be applied to industrial automation and control systems.

You will be able to:

- Discuss why improving industrial security is necessary to protect people, property, and profits· Define the terminology, concepts, and models for electronic security in the industrial automation and control systems environment· Define the elements of the ANSI/ISA-62443-2-1 (ANSI/ISA-99.02.01-2009)- Security for Industrial Automation and Control Systems: Establishing an Industrial Automation and Control Systems Security Program
- Define the core concepts of risk and vulnerability analysis methodologies
- Define the concepts of defense in depth and the zone/conduit models of security
- Explain the basic principles behind the policy development and key risk mitigation techniques
- Explain why improving industrial security will be necessary to protect people, property, and profits

You will cover:

- Understanding the Current Industrial Security Environment: What is Electronic Security for Industrial Automation and Control Systems? | Trends in Security Incidents· How IT and the Plant Floor are Different and How They are the Same· Current Security Standards and Practices
- Creating A Security Program: Critical Factors for Success/Understanding the ANSI/ISA-62443-2-1 (ANSI/ISA-99.02.01-2009) – Security for Industrial Automation and Control Systems: Establishing an Industrial Automation and Control Systems Security Program
- Risk Analysis: Business Rationale | Risk Identification, Classification, and Assessment
- Addressing Risk with Security Policy, Organization, and Awareness: CSMS Scope | Organizational Security | Staff Training and Security Awareness | Business Continuity Plan | Security Policies and Procedures
- Addressing Risk with Selected Security Counter Measures: Personnel Security | Physical and Environmental Security | Network Segmentation | Access Control: Account Administration, Authentication, and Authorization
- Addressing Risk with Implementation Measures: Risk Management and Implementation | System Development and Maintenance | Information and Document Management | Incident Planning and Response
- Monitoring and Improving the CSMS: Compliance and Review | Improve and Maintain the CSMS

Includes ISA Standards:

- ANSI/ISA-62443-1-1 (ANSI/ISA-99.00.01-2007) – Security for Industrial Automation and Control Systems Part 1: Terminology, Concepts & Models
- ANSI/ISA-62443-2-1 (ANSI/ISA-99.02.01-2009) – Security for Industrial Automation and Control Systems: Establishing an Industrial Automation and Control Systems Security Program
- ANSI/ISA-62443-3-3 – Security for Industrial Automation and Control Systems: System Security Requirements and Security Levels

If you wish to register offline, download the Training Registration Form, complete, and return to ISA with your payment.

Not sure this particular course is for you? A pre-instructional survey is available for you to evaluate your level of understanding of the course material and to show you the types of questions you'll be able to answer after completing the course. – See more at <https://www.isa.org/templates/two-column.aspx?pageid=124388#sthash.ho0UKdTi.dpuf>

EVENT : March 16, 2016

LOCATION: Rochestown Park Hotel

– See more at https://www.isa.org/store/products/?mssort=start_date%20asc&mssearch=ic32c#/f7950de84f620b29a577f8a4c0df62b3

\$630 USD (€ 575)

\$520 USD (€ 475) for members



FPID
Symposium

14-15 March 2016
Rochestown Park Hotel
Cork, Ireland

Training Form

Setting the Standard for Automation™

**ISA Food & Pharmaceutical
Industries Division**

Mail form and payment to:

Ireland Address
ISA-FPID Symposium
P.O. Box 203, Toghher Mail Centre,
Cork, Ireland.
Info: <http://www.isa.ie/FPID2016/>
Email: info@isa.ie

US Address
ISA-FPID Symposium
P.O. Box 3561
Durham, NC 27702-3561
Email: info@isa.org
Call ISA Customer Service: +1 919-549-8411

1. Customer information

Name (Last, First Middle initial): _____

Company: _____ Title: _____

Address: _____ City: _____

State/Province: _____ Zip/Postal Code: _____ Country: _____

Phone: _____ Fax: _____ Email: _____

2. Registration Fees may be paid by completing this form and return it to ISA Ireland Section by email to info@isa.ie or mail to the address above.

Select Payment Method Credit Card Cheque Electronic Payment Purchase Order No: _____

Course Code (IC39C) Introduction to the Management of Alarm Systems

Course Code (IC32C) Introduction to Industrial Automation Security and the ANSI/ISA-62443 Standards

Courses cost per person is for members €75.00 (\$525.00) None Members €75 (\$718)

Course Code: _____	Name: _____	ISA Member #: _____	€ _____
Course Code: _____	Name: _____	ISA Member #: _____	€ _____
Course Code: _____	Name: _____	ISA Member #: _____	€ _____
Course Code: _____	Name: _____	ISA Member #: _____	€ _____
Course Code: _____	Name: _____	ISA Member #: _____	€ _____
Total Costs			€ _____

3. Payment Summary

Cheque: Make payable to: ISA Ireland Section

Master Card VISA American Express Discovery

Card Number: _____

Expiration Date: _____

Cardholders Name: _____

Signature of Cardholder: _____

Electronic Payment ISA Ireland

Bank Details: AIB, Bishopstown, Cork

Account Name: I.S.A. No 2 Account

Branch Sort Code: 93-43-21

Current A/C No.: 19461-294

BIC: AIBKIE2D

IBAN: IE39 AIBK 9343 2119 4612 94

Total Payment: € / \$ _____

4. Hotel Reservations

Rochestown Park Hotel, Rochestown Road, Douglas, Cork, Ireland • res@rochestownpark.com • +353 21 4890800

Single Room including Breakfast per night €110.00 • Double or Twin room including Breakfast per night €135.00