



Setting the Standard for Automation™

Coming to
Erie, PA!
An Essential
Measurement
and Control
Course!



Developing and Applying Standard Instrumentation and Control Documentation (FG15)

This course will present the methodology for the designing and developing control systems documentation. The development of piping and instrument diagrams (P&IDs) and related ISA drawings are emphasized. This course covers both the development and the reading/interpreting of these documents, making it beneficial to engineers, designers, software programmers, system integrators, and technicians.

You will be able to:

- Design, develop, and interpret the documents used to define instruments and control systems for a typical project, including P&IDs, loop diagrams, specification forms, instrument lists, logic diagrams, installation details, and location plans
- Explain the information included on each document
- Plan document development as it relates to project management
- Apply ISA standards for symbols and terminology to documentation
- Describe the relationship of ISO 9000, OSHA process safety management (PSM), and API 750 to control systems documentation

Course Details

Date: 29–30 March, 2017

Time: 8:00 a.m.–4:00 p.m.

Location: Knowledge Center
(Behrend Campus)
5240 Knowledge Parkway
Erie, PA 16510

Course No.: FG15

CEUs: 1.4 CEUs

Price: Member: \$1,440
Non-member: \$1,800
Group: \$1,440
Affiliate: \$1,620

Classroom/Laboratory Exercises:

- Develop diagrams for flow, level, temperature, and pressure loops
- Develop documentation for sample instruments
- Design and develop a P&ID from a flow diagram and process description
- Design and develop logic diagrams
- Develop other project documents

To register, visit

www.isa.org/fg15/pa or call **+1 919-549-8411**

by 15 March 2017.

Space is Limited—Register Now!

“All of the feedback I have received on the course has been positive. Thanks for being attentive to our daily feedback.”

—Andrea Hawkins, Manager,
Automation, Instrumentation, and Electrical Systems, Conoco-Phillips

How can you SAVE on ISA Training?

Become an ISA member.

Learn more about the benefits of ISA membership—including ISA member rates, a discount of 20% on training—at www.isa.org/MemberPrice

Brought to you by

