

TRAINING EVENT : SAFETY: NFPA 70E — ARC FLASH AWARENESS



Upon completion of this course the student will have an overall understanding of the current requirements of 2012 NFPA 70E 2012®. A complete review of the standards will be provided, along with a review of the calculation methods and tables used in the standard for establishing the ARC Flash Boundary and proper personal protective equipment (PPE). The course will present the following major topics: Review of NFPA 70E 2012, Calculating flash protection boundary, NFPA 70E 2012 Standards on PPE, Safe Electrical Practices.

When: Tuesday, April 30th, 2013, 7:30 am to 4:30 pm, Catered Lunch
Where: Watsonville Civic Plaza, 4th Floor Conference Room, 275 Main Street, Watsonville, CA, 95076
Cost: \$500.00 (Checks only please made out to City of Watsonville contact Steve Hernandez (831) 768-3194)

Course Agenda:

- Arc Flash Ruling
- Operational Voltage
- Arc Flash Hazard
- Flash Hazard Statistics
- Protecting the Electrical Worker
 - Company Safety Programs
 - Electrical Safety Program
 - Government Regulations
 - OSHA 29 CFR 1910.10.333(a)(1)
 - OSHA 29 CFR 1910.335
 - OSHA 29 CFR 1910.132(d)(1)
 - Enforcement
- Applicable Standards
 - 2002 NEC Article 110.16 Flash Protection
 - NFPA 70E 2012 110.8(A) & 1303
 - Electronically Safe Work Conditions
 - Qualified Person
- Arc Flash Hazard Boundary Terms
 - Flash Protection, Limited, Restricted and Prohibited Approach
- Arc Flash Calculations Review (NFPA 70E 2012)
 - Flash Protection Boundary Calculation
 - Introduction to PPE Selection Based on Incident Energy Calculations
- PPE Selections (NFPA 70E 2012)
 - PPE Selection Based on Article 130 Tables
- Over-current Protective Devices
- Arc Flash Considerations
- Safety-Related Work Practices

Buckles-Smith

PRESENTED BY: Rockwell Automation

To Register Contact:

STEVE HERNANDEZ
WATER OPERATIONS SUPERVISOR
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Who Should Attend

Individuals that require access to, or will be exposed to the work area designated by the flash protection boundary should attend this course.

Prerequisites

To successfully complete this course, the following prerequisites are required:

- Familiarity with basic electricity
 - Proficiency in student's respective classification
- OR
- Enrolled in an up-grader/apprentice program

Technology Requirements

All technology is provided for student use in the classroom by Rockwell Automation. It is not necessary for students to bring any technology with them when attending this course.

Student Materials

To enhance and facilitate your learning experience, the following materials are provided as part of the course package:

- *Student Manual*, which contains the topical outlines and problem-solving exercises.
- *NFPA 70E®: Standard for Electrical Safety in the Workplace®, 2012 Edition*, which provides key concepts, definitions and certification requirements.

Hands-On Practice

Throughout this course, you will have the opportunity to practice the skills you have learned through class interaction and observational exercises. The interactive exercises focus on awareness, safe work practices, maintenance requirements, calculation methods, boundaries, and regulations learned during the lessons.

Course Length

This is a one-day course.

Course Number

The course number is SAF-SFT106.

To Register

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

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