



# SPECIALIZED FIRE ALARM TRAINING

Hosted by:

*PENNSYLVANIA REGIONAL AUTOMATIC FIRE ALARM ASSOCIATION*

January 30, 2018 - A User's Guide to Simplifying NFPA 72 2013 and the NEC

January 31, 2018 - Carbon Monoxide Detection Seminar 1-Day Course

February 1, 2018 - Fire Alarm Plan Review 1-Day Course

## Training Location:

Delaware County Emergency Services Training Center  
1600 Calcon Hook Road  
Sharon Hill, PA 19079

## Information and Online Registration

[www.FireAlarmTraining.org](http://www.FireAlarmTraining.org)



### **Attend All 3 Seminars and Save!**

Members/AHJ's save 15% Attend all 3 days for- \$637.50

Non-Members save 10% Attend all 3 days for- \$1,077.00

### **January 30, 2018- 8 am to 4 pm**

AFAA members and AHJs - \$250 each  
3 or more - \$225 each  
Non-members - \$399 each  
3 or more - \$338 each

### **January 31, 2018 - 8 am to 4 pm**

AFAA members and AHJs - \$250  
each 3 or more - \$225 each  
Non-members - \$399 each  
3 or more - \$338 each

### **February 1, 2018 - 8 am to 4 pm**

AFAA members and AHJs - \$250 each  
3 or more - \$225 each  
Non-members - \$399 each  
3 or more - \$338 each

**Contact our office with questions at 614-416-8076 or [operations@afaa.org](mailto:operations@afaa.org)**

Course workbooks and handout materials are not guaranteed if registration occurs within a week of the start date.

Cancellation and refund policy: A full refund of the seminar registration fee may be obtained provided AFAA receives written notification at least 7 days prior to the start of the seminar. All other cancellations will be subject to a \$100 cancellation fee. "No-shows" are ineligible for refunds. Special circumstances will be handled on a case by case basis. Seminars are subject to cancellation when pre-registration fall below the minimum number of attendees.

AFAA cannot be responsible for losses resulting from cancellation of any seminar.

The Automatic Fire Alarm Association Inc. - 1-844-GET-AFAA (844-438-2322) – [www.afaa.org](http://www.afaa.org) – [admin@afaa.org](mailto:admin@afaa.org)



# **A USER'S GUIDE TO SIMPLIFYING NFPA 72 AND THE NEC** **AFAA024**

- Understanding the NICET CBT Process
- NFPA 72 Structure
- NEC Fire Alarm Wiring Requirements

- CBT Testing Tips
- Finding Information in NFPA 72 efficiently
- Sample Quizzes

## **COURSE OBJECTIVES**

In this interactive seminar, each participant will learn about the NICET Computer Based Testing (CBT) process, learn CBT testing tips and how to locate information in NFPA 72, 2013 more efficiently. In addition, the fire alarm wiring requirements of the 2011 NEC will be reviewed. NICET has updated the Fire Alarm Systems tests to these two codes, and this seminar is designed to prepare you to successfully obtain your certification. Sample quizzes will be given to use your new skills.

7 Contact Hours Continuing Education - Participant must attend entire seminar to receive credit.

## **WHO SHOULD ATTEND**

Individuals preparing to take a NICET Fire Alarm Systems test (any level)  
Fire and Building Inspectors / Plan Reviewers / Contractors / Designers

## **MATERIAL WE PROVIDE**

Student workbook / reference manual

## **MATERIAL YOU PROVIDE**

NFPA 72 2013

**IMPORTANT - YOU MUST BRING A COPY OF NFPA 72 2013 OR ORDER A COPY FROM US.**

*(If you are ordering from AFAA please place the order 2 weeks prior to the course start date)*

***Attendees are encouraged, but not required, to bring a copy of NFPA 70 2011***

*CEU hours for Engineers- The Registered Continuing Education Providers Program (RCEP) is a single comprehensive education management system for engineers, surveyors, design professionals and quality education providers. Managed by the American Council of Engineering Companies.*



# **CARBON MONOXIDE DETECTION SEMINAR- AFAA025**

This seminar focuses on new requirements for Carbon Monoxide detection in the 2015 NFPA 101, Life Safety Code, and the 2015 International Residential Code, current legislation requiring CO detection, and a review of the requirements of NFPA 720 – 2015, Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment, IBC-2015, and NFPA 101-2015 Life Safety Code.

## **COURSE OBJECTIVES**

Upon completion of this seminar, each participant will be able to understand what carbon monoxide is. Participants will be familiar with building code and installation requirements based upon current legislation regarding carbon monoxide detection. Participants must attend the entire seminar to receive 7 hours of continuing education credit..

## **WHO SHOULD ATTEND**

Fire and Building Officials involved in witnessing Acceptance and Reacceptance Tests  
Installers performing Acceptance and Reacceptance Tests  
Technicians performing Periodic Tests and Inspections

## **MATERIAL WE PROVIDE**

Student workbook / reference manual

## **MATERIAL YOU PROVIDE**

NFPA 720- 2015

**NOTE: You must bring an NFPA 720 2015 or order a copy from us**

**(If you are ordering from AFAA, please place the order 2 weeks prior to the course start date)**

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## **Fire Alarm Plan Review – AFAA036**

This application course describes the common problems associated with the plan review process and offers suggestions for improvement by providing plan review and acceptance test checklists, spreadsheets to determine battery and voltage drop calculations, determining proper spacing of smoke detectors, exercises to determine proper audibility of fire alarm notification appliances and proper sizing and placement of visible notification appliances, as well as reviewing new requirements for monitoring fire alarm systems. This seminar is intended for authorities having jurisdiction involved in fire alarm system plan review, contractors providing submittal documentation for plan review and fire alarm system designers. This seminar is based upon IBC-2015, NFPA 101-2015, NFPA 72-2016 and NFPA 70-2014( NEC).

### **COURSE OBJECTIVES**

1. Review the Requirements for Plan Review and Submittals based on the International Building Code and NFPA 72. 2. Review of pre-plan and plan review checklists examples 3. Review secondary power supply requirements including battery-set calculations 4. Review voltage-drop limits including voltage-drop calculations 5. Review smoke detector location and spacing requirements including practical exercises 6. Review fire alarm audible notification requirements including practical exercises 7. Review fire alarm visible notification requirements including practical exercises 8. Review of pre-acceptance/acceptance testing checklist examples.

7 Contact Hours Continuing Education - Participant must attend entire seminar to receive credit.

#### **MATERIAL WE PROVIDE**

Student workbook / reference manual

#### **MATERIAL YOU PROVIDED**

Calculator, pencils and note paper

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