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# LOUISIANA AUTOMATIC **FIRE ALARM** ASSOCIATION

Basic Fire Alarm Systems Seminar  
September 18 & 19, 2019

14 Hours Continuing Education

Louisiana State Fire Marshal's Office  
8181 Independence Blvd.  
Baton Rouge, LA 70806

## DAY ONE

### Basic Fundamentals

Control panels, power supplies, initiating device, notification appliance and signaling line circuits; emergency control functions; addressable, analog and multiplex systems; emergency voice/ alarm communication systems, survivability, and two-way emergency communications systems. Includes information on battery and voltage drop calculations.

### Notification Appliances

Types of notification appliances (horns, speakers, strobes, annunciators, etc.) and their proper application. Discuss the nature of sound, ADA and ANSI/NFPA requirements for visible notification appliances.

### Initiating Devices

Types of initiating devices (manual stations, heat and smoke detectors, beam detectors, radiant energy sensing fire detectors, sprinkler alarm and supervisory devices for wet, dry, pre-action and deluge systems), how they operate, and their proper application in accordance with the standards.

### Emergency Control Functions and Interfaces

Control functions such as smoke door release, elevator recall, air handler fan shutdown, smoke control and management systems (smoke control systems in high rise buildings, covered malls and atriums). Duct detector applications and installation requirements, and monitoring of installation conductors for fire safety control functions.

## DAY TWO

- Why Test and Inspect?
- Enforcement of Requirements
- "Selling" Testing and Inspections to the Owner
- Testing Requirements Functional Tests
- How to Conduct Functional Tests
- Using a Checklist
- Sensitivity Testing
- Visual Inspection
- How to Conduct a Visual Inspection
- Documentation
- Acceptance Testing
- Reacceptance Testing
- Periodic Testing
- Documentation

## COURSE OBJECTIVES

Upon completion of this basic fire alarm systems seminar, participants will be able to apply the proper application and installation methods and the proper inspection and testing requirements required by the NFPA 72, National Fire Alarm Code, 2019 edition.

## WHO SHOULD ATTEND

- Fire and Building Officials
- Technicians
- Installers
- Sales and Service Personnel

## MATERIAL PROVIDED

Course workbooks

**AT THE COMPLETION OF THE SEMINAR, A TEST WILL BE ADMINISTERED AND PROCTORED BY LA AFAA FOR THOSE APPLYING FOR FIRE ALARM TECHNICIAN LICENSURE BY THE STATE FIRE MARSHAL'S OFFICE**

## MATERIALS NEEDED

NFPA 72-2019 (A copy can be purchased from NFPA), Calculator, and a Pencil

## WHAT DOES IT COST?

LA AFAA/AFAA members, their employees, and AHJ's		\$350 ea.
	2 or more	\$300 ea.
Non-members		\$400 ea.

Registration fee includes coffee, lunch, and course workbooks

Instructor: Tom Hammerberg

Tom Hammerberg is an independent contractor and lives in Jasper, GA. Tom retired from the Automatic Fire Alarm Association in June 2017 and continues to present seminars nationally. He has been in the alarm industry for 44 years and was with AFAA for 23 years, serving as President/Executive Director from 2003 to 2014 and Director of Industry Relations from 2014 to 2017. Tom is NICET Level 4 certified in the field of Fire Alarm Systems and is a Certified Fire Protection Specialist. Tom can be reached at TomHammerberg@gmail.com.

**Seminar and Registration Information:**

Basic Fire Alarm Systems Seminar  
September 18, &19, 2019 from 8 am - 4 pm

LA AFAA/AFAA members and AHJs - \$350 each  
2 or more - \$300 each  
Non-members - \$400 each

You must be present for the entire seminar to receive continuing education credit.

WHERE:

LOUISIANA STATE FIRE  
MARSHAL'S OFFICE  
8181 Independence Blvd.  
Baton Rouge, LA 70806

Email/ Registration Form to:

Ron Case  
Phone (318) 422-9800  
E-Mail. [laafaa1993@gmail.com](mailto:laafaa1993@gmail.com)

LA-AFAA Association  
7515 Jefferson Highway #16  
Baton Rouge, LA 70806

*Payment may also be made online at  
[www.afa.org](http://www.afa.org) through the AFAA secure  
server! Full payment is required prior to  
attending the seminar.*

**REGISTRATION FORM**

Please check one:  LA AFAA/AFAA member or  AHJ Non-member

**Please type or print:**

Organization \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone (\_\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_\_) \_\_\_\_\_

Credit Card No. \_\_\_\_\_ Exp. Date \_\_\_\_\_

Cardholder Name (Please Print) \_\_\_\_\_

Billing address (if different than above) \_\_\_\_\_

Attendee(s) Name \_\_\_\_\_ E-mail \_\_\_\_\_

Name \_\_\_\_\_ E-mail \_\_\_\_\_

Name \_\_\_\_\_ E-mail \_\_\_\_\_

**Cancellation and refund policy:** A full refund of the seminar registration fee may be obtained provided LA 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. LA AFAA seminars are subject to cancellation when pre-registration fall below the minimum number of 20 attendees. LA AFAA cannot be responsible for losses resulting from cancellation of any seminar.



# Technician and Specialist Initial License Certification Requirements

## 1. LIFE SAFETY TECHNICIANS

### A. SPRINKLER INSPECTION TECHNICIAN

1. A provisional license will be issued for the first year;
2. By the first renewal date one of the following must be obtained:
  - a. National Institute for Certification of Engineering Technicians (NICET) 1 Certification in Inspection and Testing of Water Based Fire Protection Systems; or
  - b. Oklahoma State University (OSU) Fire Sprinkler Inspection Training & Certificate Program; or
  - c. Qualified Apprentice Program (National Fire Sprinkler Association (NFSA) or Sprinkler Fitters Local 669);
3. NICET 2 Certification (or higher) in Inspection and Testing of Water Based Fire Protection Systems by the second renewal date.

### B. FIRE ALARM TECHNICIAN

1. National Training School (NTS) Fire Alarm Installation Methods (FAIM) Course; or
2. NTS Certified Fire Alarm Technician Course; or
3. Automatic Fire Alarm Association (AFAA) Basic Fire Alarm Systems Course (must include an exam administered by the LAFAA); or
4. Elite CEU Fire Alarm Installation Techniques (FAIT); or
5. NICET 2 (or higher) Certification in Fire Alarm Systems.

### C. NON-REQUIRED FIRE ALARM SPECIALIST

1. Any approved Fire Alarm Technician Course.

### D. FIRE ALARM OWNER SPECIALIST

1. Any approved Fire Alarm Technician Course.

### E. FIXED FIRE SUPPRESSION TECHNICIAN

1. National Association of Fire Equipment Distributors (NAFED) Engineered Fire Suppression Systems Technician Exam; or
2. NICET Level 2 (or higher) Certification Special Hazards Suppression Systems or previous Special Hazards Layout.

### F. PRE-ENGINEERED SPECIALIST

1. Fire Protection Certification, Ltd.. (FPC) Pre-Engineered Fire Extinguishing Systems Course;
2. NAFED Pre-Engineered Industrial Fire Extinguishing Systems Technician Exam; or
3. NICET 2 (or higher) Certification in Special Hazards Suppression Systems or previous Special Hazards Layout.

### G. KITCHEN SUPPRESSION SPECIALIST

1. FPC Pre-Engineered Fire Extinguishing Systems Course; or
2. FPC Pre-Engineered Kitchen Fire Suppression Systems Course; or