St. Petersburg Fire Rescue

May 22, 2024

Seminar 1 - NFPA 72 National Fire Alarm and Signaling Code updates to the 2019 edition.

This course will cover the major changes to the 2019 edition of the document.

Attendees will understand the following.

·        Changes for required documentation and storage of these documents.

·        Air aspiration system modifications for layout, design, and installation

·        Major changes for LED strobes and added performance requirements.

·        New Building System Information Unit allowance and proper usage

Seminar 2 - Fire alarm testing, what is required and how are they properly performed.

This course will cover general requirements for testing and maintenance of fire and life safety systems as well as review common misconceptions of proper testing and adherence.

Attendees will understand the following.

* Understand how to apply NFPA 72 as it relates to inspection, testing and servicing.
* Understand and identify the requirements of a proper test plan.
* Understand the usage and requirements of specialized testing equipment.
* Understand the proper documentation required for these systems.

Seminar 3 - Carbon Monoxide detection, what is required, how they are tested and designed.

This course will review the effects of carbon monoxide on the human body and how detection can be used to alert occupants of CO poisoning.

Attendees will understand the following.

* How carbon monoxide is generated and how the human body absorbs CO and the dangers to the public when high concentrations of CO are present
* Understand how carbon monoxide propagates in the atmosphere, migrates from room to room, etc.
* Understand the proper placement of CO detectors, when they are required and how to alert the occupants when they are activated.

Seminar 4 - Survivability and how and why they are used in life safety systems.

This course will review the history of pathway survivability, how the codes have changes over the editions and what is required today for these systems.

Attendees will understand the following.

* Understand the various levels of survivability.
* Identify the methods used for pathway survivability.
* Understand the exceptions for pathway survivability.
* Understand when pathway survivability is required in a building.