

Statement of Work- NFPA 101

General.

1. SCOPE provide a NFPA 101 Three (3) day training for forty (40) students at Alexandria VA Medical center 2495 Shreveport hwy. Pineville, La. 71360

2. APPLICABLE DOCUMENTS

NFPA 101 Life Safety manual

3. REQUIREMENTS

Expert in NFPA 101 and has completed a min. of 10 NFPA 101 classes on the latest edition of the code.

1. SCOPE

Instructor will teach a minimum of the following subject items.

a. Module 1. General Requirements

- Explain the organization of NFPA 101
- Explain the relationship between the core chapters and occupancy chapters
- Explain the overall scope, goals, and objectives
- Explain the concepts of new, existing, and renovated buildings
- Locate Code definitions
- Explain classification of occupancies, including multiple occupancies
- Explain hazard of contents
- Determine the number of “stories in height” of a building
- Identify and describe construction types

b. Module 2. Basics of Means of Egress

- Define and identify three parts of the Means of Egress
- Identify and apply the requirements for fire barriers
- Determine requirements for enclosure and protection of exits
- Identify components of the means of egress
- Apply provisions for doors
- Identify and apply requirements for door swing and locking
- Apply provisions for stairs
- Identify and apply requirements for handrails and guards
- Identify provisions for smoke proof enclosures
- Identify and apply provisions for horizontal exits
- Apply provisions for ramps and exit passageways
- Apply provisions for escalators and moving walks, fire escape stairs and ladders, slide escapes, alternating tread devices, areas of refuge, and elevators

c. Module 3. Fundamentals of Means of Egress

- Determine occupant load of a given space using the appropriate occupant load factors
- Determine the egress capacity of an individual component of the means of egress system
- Determine the egress capacity of an entire means of egress system
- Apply minimum width requirements and associated obstruction limitations
- Apply general and occupancy specific requirements for number of means of egress
- Identify dead-end corridors and common path of travel and specify the occupancy chapter limits
- Determine remoteness of the means of egress

- Apply concepts of accessible means of egress and areas of refuge
- Measure travel distance
- Identify and apply provisions for exit discharge

d. Module 4. Awareness of Means of Egress

- Determine the need for, and minimum requirements applicable to, illumination, emergency lighting and egress marking
- Apply special means of egress requirements in areas with high hazard contents and in mechanical equipment and boiler rooms

e. Module 5. Features of Fire Protection

- Identify and apply the requirements for protection of vertical openings
- Identify and apply the requirements for protection of hazardous areas
- Identify and apply the requirements for interior finish, contents, and furnishings
- Recognize specific fire protection system (e.g. fire alarm and sprinkler) requirements and the appropriate reference standards

f. Module 6. Special Provisions and Operating Features

- Apply the core chapters and the occupancy-specific requirements for special structures and high-rise buildings
- Explain how the Code implements use of reference documents
- Apply provisions for building services, including utilities, HVAC, smoke control, elevators and escalators, and rubbish and laundry chutes
- Recognize requirements for operating features, including drills and training

g. Module 7. Building Rehabilitation

- Identify Building Rehabilitation categories of work
- Apply Chapter 43 requirements to specific building rehabilitation projects

- Identify methods of handling rehabilitation projects in historic buildings

2. APPLICABLE DOCUMENTS

2.1 Specifications.

NFPA 101 Latest edition

2.2 Other documents.

- All 40 students shall receive a copy of 2012 edition NFPA 101 code book.
- Each student passing the class and meeting the time requirements shall receive a completion certificate.

2. REQUIREMENTS

The class will start at 8:30 am each day unless preapproved by the Fire Chief. Class will be for up to 40 students and will be three (3) consecutive days. The class dates will be determined by VAMC Fire chief with a min. of 3 weeks advance notice. Instructor must include computer and projection system needed to teach the class. Price must be all-inclusive, covering all of the instructor's travel & expenses, all course materials and a copy of the 2012 edition of NFPA 101 for each attendee