

## NFPA 101: Life Safety Code Seminar Outline

### ► **Overview:**

Life Safety Code (NFPA 101) continues to evolve to address new hazards and help you ensure people in your facility are safe during any emergency. Updated training based on the 2012 NFPA 101 provides the tools you need to confidently apply rules, including major changes involving high-rises, health care, and other occupancies. The Code addresses those construction, protection, and occupancy features necessary to minimize danger to life from the effects of fire, including smoke, heat, and toxic gases created during a fire. Also it addresses other considerations that are essential to life safety in recognition of the fact that life safety is more than a matter of egress. The Code also addresses protective features and systems, building services, operating features, maintenance activities, and other provisions in recognition of the fact that achieving an acceptable degree of life safety depends on additional safeguards to provide adequate egress time or protection for people exposed to fire.

### ► **Objectives:**

The aim of this seminar is to provide the attendants with a thorough understanding of NFPA 101, including the two sub-codes that it covers: Guide on Alternative Approaches to Life Safety (NFPA 101A), and Code for Means of Egress for Buildings and structures (NFPA 101 B). Experienced instructors explain the intent behind requirements, so you can implement or enforce this code in all types of life safety matters

This seminar will prepare attendants to be able to:

- Explain requirements for new, existing, and renovated buildings
- Explain classification of occupancies
- Determine requirements for enclosure and protection of the means of egress
- Apply provisions for doors, stairs, smoke-proof enclosures, horizontal exits, ramps, exit passageways, and more
- Determine the egress capacity of the entire means of egress system and individual components
- Recognize specific fire protection systems and the appropriate reference standards
- Explain hazard of contents
- Calculate occupant load of a given space using appropriate occupant load factors
- Use concepts of accessible means of egress and areas of refuge
- Determine the need for, and minimum requirements applicable to, illumination, emergency lighting, and egress marking
- Identify and apply the requirements for protection of vertical openings and for hazardous areas
- Interpret the core chapters and the occupancy specific requirements for special structures and high-rise buildings
- Employ provisions for building services including utilities, HVAC, smoke control, elevators and escalators, and rubbish and laundry chutes

► **Possible Attendance:**

Anyone concerned with life safety compliance including:

- Engineers
- Architects
- designers
- Facility managers
- Inspectors
- Safety directors
- Risk managers
- Facility consultants
- Project manager
- Business owners

► **Structure:**

18 hours to be carried out over 3 days including presentation, workshop, valuable supporting documents, soft & hard templates for NFPA 101

► **Contents:**

This course presents the standards for Life Safety Code (NFPA101).

It covers:

- Life Safety Code Essentials
  - Explain Requirements for new, existing, and renovated Buildings
  - Explain classification of occupancies
  - Determine requirements for enclosure and protection of the means of egress
  - Apply provisions for doors, stairs, smoke-proof enclosures, exit passageways, and more
- Focus on occupancies
  - Explore specific requirements for each type of occupancy covered in the NFPA 101. Discuss the rationale behind requirements and become more adept at recognizing and correcting problems
    - Apply hazardous area protection requirements for all occupancies
    - Evaluate aisles and aisle access ways in assembly occupancies
    - Recognize general, special purpose, and high hazard industrial occupancies
    - Identify unique issues regarding means of egress in health care occupancies
    - Explain key means of egress issues for storage occupancies

Throughout the seminar there will be opportunities for questions, and where appropriate, case studies will be discussed.