

NFPA Standards for fire, Safety Protection, and Loss Prevention

Outline:

Introduction to NFPA

NFPA Codes and Standards

NFPA 13 Sprinkler System

- Types of sprinklers
- What is the fire fighting system
- Classification of occupancies
- Types of sprinkler systems
- Dry pipe sprinkler system
- Deluge & Pre-action system
- Refrigerated spaces
- Wet-pipe sprinkler system
- Basic Design of Sprinkler systems
- Sprinkler distribution inside the places

NFPA 101 Life Safety Code

- Means of Egress Requirements
- Exit Routes Basic Requirements
- Exit door Specifications
- Exit marking
- Emergency Action Plan

NFPA 1 Fire Code

- Inspection of permanent and temporary buildings, processes, equipment, systems, and other fire and related life safety situations
- Investigation of fires, explosions, hazardous materials incidents, and other related emergency incidents
- Review of construction plans, drawings, and specifications for life safety systems, fire protection systems, access, water supplies, processes, hazardous materials, and other fire and life safety issues
- Existing occupancies and conditions, the design and construction of new buildings, remodeling of existing buildings, and additions to existing buildings
- Design, alteration, modification, construction, maintenance, and testing of fire protection systems and equipment
- Access requirements for fire department operations
- Hazards from outside fires in vegetation, trash, building debris, and other materials
- Storage, use, processing, handling, and on-site transportation of flammable and combustible gases, liquids, and solids
- Storage, use, processing, handling, and on-site transportation of hazardous materials

- Control of emergency operations and scenes

Course Outcome:

By the end of this course delegates will be able to:

- Give general knowledge about NFPA history, codes and standards
- Identify the basic elements of NFPA 13
- Identify the different types of sprinklers
- Identify occupancy classifications
- Calculate the number of sprinklers needed in a given area
- Identify the basic elements of NFPA 101
- Identify the basic elements of NFPA 1

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