

### **(101) Safety and First Aid**

The candidate should be familiar with OSHA Regulations, MSDS Sheets, and some environmental or EPA issues consistent with their level of experience.

### **(102) Codes and Standards- NFPA and new IBC Definitions**

The Candidate should be able to identify the names of the standards for sprinklers, standpipes, pumps, tanks, and fire hose. The Candidate should be able to identify basic occupancies in NFPA 13 and the Florida State Building Code. There are questions regarding permissible language in codes, standards, and guides. The candidate will also be asked questions about Florida State Law.

### **(103) System Types - Function and operation (Wet, Dry, Preaction, and Deluge)**

This subject will require the candidate show knowledge of the typical types of water-based fire protection systems. The candidate must also demonstrate an understanding of systems such as: Antifreeze, Standpipes, Foam Systems, Fire Pumps and Fire Service Mains.

### **(104) Basic System Components**

The candidate should show a basic understanding of the inspection, testing and maintenance of:

- Control Valves
- Gages
- FDC's
- Water Flow Alarms
- Check Valves
- Back Flow Preventers
- Drains
- Compressors
- Various types of Sprinklers  
(Orientation, Temperatures,  
Pintles, Belleville Seal)
- Sprinkler Cabinets
- Pipe
- Fittings
- Hangers
- Hose Equipment
- PRV's and other special  
equipment
- Relief Valves
- Pump packing

### **(105) NFPA 25 - Purpose, Organization and Responsibilities**

The Candidates should be able to identify the chapter and sections containing requirements for the individual responsibilities of Owners, AHJ's and Inspectors. They should also understand the difference between the requirements of NFPA 13 and NFPA 25.

### **(106) Inspection Preparation, Procedures and Reporting**

The Candidate should demonstrate an understanding of the reports required in NFPA 25 and under local law. They should identify the different equipment necessary for each task that is required in NFPA 25.

Candidates should be able to identify procedures needed for impairments, water flow, notification, and access. Candidates should also be able to identify and communicate deficiencies and observations. FL Specific Candidates should demonstrate an understanding of the requirements for reporting deficiencies under Florida Law.

**(201) Contracts and Documentation**

Candidates should be able to answer questions regarding the identification of the scope of work for an NFPA 25 Inspection, Testing and Maintenance service.

They should be able to identify proper impairment tags and the appropriate placement of these tags. They should also demonstrate an understanding that forms are not defined in NFPA 25.

**(202) Inspection and Testing of Sprinklers**

Candidates should be able to identify sprinklers that must be tested or replaced along with questions about all types of sprinklers, including the following:

Quick response, Dry-Type, Extra High Temperature, Standard Spray, ESFR.

**(203) Science and Math (basic level)**

Candidates should be able to answer questions regarding science and math that applies to the Inspection, Testing and Maintenance. Candidates should be able to determine the difference in acceptable temperatures (Celsius and Fahrenheit), quantities of sprinklers, and percentage of sprinklers for testing. Candidates demonstrate an understanding of the difference between Absolute and Gage Pressure. They should also understand the classifications of the different types of fires that systems are intended to control.

**(204) Occupancy and Commodity classifications**

Candidates should understand the basic concepts in the differences in Occupancies and Commodities. Candidates should identify that the responsibility of for determining correct Occupancies and Commodities is the responsibility of the owner and is outside the scope of NFPA 25. The candidate should demonstrate knowledge that Occupancies and Commodities are determined through an engineering evaluation performed by those licensed to do so.

**(205) Inspection of Valves and Other Common System Components**

Candidates should be able to identify the frequencies for inspecting all common system components in NFPA 25. The specific inspections required for each component shall also be identified.

**(206) Inspection of Wet Systems**

Candidates should identify all of the inspections that are required on a wet-pipe system. The candidate shall demonstrate an understanding of the order in which the individual inspection tasks must be performed.

**(207) Inspection of Dry Systems**

Candidates should identify all of the inspections that are required on a dry-pipe system. The candidate shall demonstrate an understanding of the order in which the individual inspection tasks must be performed.

**(208) Inspection of Preaction and Deluge systems**

Candidates should identify all of the inspections that are required on a preaction and deluge systems. The candidate shall demonstrate an understanding of the order in which the individual inspection tasks must be performed.

**(209) Inspection of Standpipe Systems**

Candidates should identify all of the inspections that are required on a standpipe system. The candidate shall demonstrate an understanding of the order in which the individual inspection tasks must be performed.

**(210) Inspection of Fire Pump Assemblies**

Candidates should identify all of the inspections that are required on a fire pump assembly. The candidate should demonstrate an understanding of the order in which the individual inspection tasks must be performed.

**(211) Inspection of NFPA 13R and 13D Systems**

Candidates should demonstrate the knowledge that NFPA 13D systems are not required to be inspected in accordance with NFPA 25. They should also demonstrate an understanding of which requirements from NFPA will apply to an NFPA 13D system.

**(212) Fire Alarm System Overview**

Candidates should show an understanding of the different types of alarm systems that may be connected to a sprinkler system. Candidates should be able to identify the four types of alarm systems found in NFPA 72. Candidates should identify the differences in frequencies and types of inspections required by NFPA 72 and 25.

**(213) Special Hazard Systems Overview**

Candidates should identify the inspection requirements and frequencies for sprinklers in cooking equipment and spray areas. Candidates should also demonstrate an understanding of the frequencies for inspections of foam-water sprinkler systems outlined in NFPA 25.

**(214) Private Fire Service Mains Overview**

Candidates should identify all of the inspections that are required on private service mains and their appurtenances outlined in NFPA 25. The candidate shall demonstrate an understanding of the order in which individual inspection tasks must be performed.

**(215) Tanks Overview**

Candidates should identify all of the inspections that are required on tanks outlined in NFPA 25. The candidate shall demonstrate an understanding of the order in which the individual inspection tasks must be performed.

**(216) Impairments**

Candidates should show a complete understanding of the types of impairments and the impairment procedures in NFPA 25. The candidate should identify the responsible party for each of the tasks required during a system impairment. They should be able to define the types of impairments discussed in NFPA 25.