

# **NFSA Seminar Information Sheet**

**Seminar Title:** NFPA 13 - Sprinkler System Installation Requirements

**Seminar Description:** There are hundreds of types of sprinklers in use today. Determining where to locate them can be a complex task. They need to be spaced properly and installed in specific locations to ensure coverage of the protected area and located far enough away from obstructions to ensure that the spray pattern can adequately develop and control or suppress a fire. The rules that govern this complex matrix of decisions are found in Chapter 8 of NFPA 13 on Installation Requirements. This fast paced and interactive seminar will guide the participant through series of decisions and requirements that lead to compliance with NFPA 13 and ensure the system will operate properly when needed.

**Attendees should bring a copy of the NFPA 13 with them.**

**Duration:** 1 Day

**Number of Modules:** 5

**Total Instructional Contact Minutes:** 390 min. (0.7 CEUs and 7CPD)

## **Learning Outcomes:**

At the conclusion of this seminar the participant will be able to:

1. Discuss how the Occupancy Classification drives sprinkler system installation requirements.
2. Describe the process for selecting sprinklers for installation.
3. Discuss the effects of obstructions to sprinkler spray and how to avoid them.
4. Identify the specific installation requirements for various types of sprinklers
5. Identify the locations where sprinklers can be omitted

**Seminar Format(s):** Lecture, Discussion

**Participant Materials:** Participant Guide

**Assessment Method:** Quiz Questions

## **Seminar Schedule**

**Module 1 – Basic Requirements**

**Module 2 – Sprinkler Selection, Spacing and Location**

**Module 3 – Obstructions to Sprinklers**

**Module 4 – Special Situations**

## **Module Information**

### **Title: Module 1 – Basic Requirements**

**Duration (min.): 285**

#### **Learning Outcomes:**

At the conclusion of this module the participant will be able to:

1. Discuss how the Occupancy Classification drives sprinkler system installation requirements.
2. Describe the seven basic requirements for sprinkler installation
3. Describe the general requirements for the use of sprinklers including the impact of temperature ratings and thermal sensitivity.

**Delivery Methods:** Lecture and Discussion

**Activity Descriptions:**

**Assessment Method:** Question and Answer

### **Module 2 – Sprinkler Selection, Spacing and Location**

**Duration (min.): 75**

#### **Learning Outcomes:**

At the conclusion of this module the participant will be able to:

1. Describe the process for selecting sprinklers for installation and the application of sprinkler types
2. Identify the specific installation requirements for various types of sprinklers

**Delivery Methods:** Lecture and Discussion

**Activity Descriptions:**

**Assessment Method:** Question and Answer

### **Title: Module 3 – Obstructions to Sprinklers**

**Duration (min.): 60**

#### **Learning Outcomes:**

At the conclusion of this module the participant will be able to:

1. Discuss the effects of obstructions to sprinkler spray and how to avoid them.
2. Identify the specific obstruction criteria for various types of sprinklers

**Delivery Methods:** Lecture and Discussion

**Activity Descriptions:**

**Assessment Method:** Question and Answer

**Title: Module 4 – Special Situations**

**Duration (min.): 60**

**Learning Outcomes:**

At the conclusion of this module the participant will be able to:

1. Describe the special situations governing when sprinklers can be omitted
2. Discuss the impact omitting sprinklers

**Delivery Methods:** Lecture and Discussion

**Activity Descriptions:**

**Assessment Method:** Question and Answer