

**Seminar Title:** Hands On ITM

**Seminar Description:** This two day hands-on program, *Hands On ITM*, covers a wide variety of inspection and testing procedures for water-based fire protection systems as outlined in NFPA 25 (2017). The program includes main drain, water flow alarm device testing, control valve testing and valve trip tests as well as pressure reducing valve test and testing multiple types and components of fire sprinkler systems (based on location and available props). Although not included in the hands on practical, hydrant, standpipe and underground flow testing as well as system pressure reducing valve test will be addressed the classroom setting. These manipulative skills will provide the participant with an understanding of the procedures typically preformed by water-based inspectors and contractors. Students are asked to bring a copy of NFPA 25 (2017) to the class.

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

1. Discuss and list the procedures for performing hydrant tests, standpipe flow testing, underground flow test, and system pressure reducing valve test.
2. Given a wet fire sprinkler system and the appropriate NFSA ITM Inspection form, complete an inspection of the system, as well as perform an alarm device test, a valve status test, a control valve test and a main drain test.
3. Given a dry fire sprinkler system and the appropriate NFSA ITM Inspection form, complete an inspection of the system, as well as perform an alarm device test, a full and partial dry trip test, a 3-year leak test, and if available, a QOD test, an air maintenance device test and an air compressor test.
4. Given a preaction or deluge fire sprinkler system and the appropriate NFSA ITM Inspection form, complete an inspection of the system, as well as perform preaction /deluge valve trip test and if available, and test releasing device.
5. Given a fire pump and the appropriate NFSA ITM Inspection form, complete an inspection of the pump, as well as preform an annual flow test of the fire pump.

**Audience:** The target audience for this course is someone seeking NICET Level II or equivalent. Please refer to the Prerequisites below.

**Total Instructional Time:** 16 Contact Hours

**Seminar Format(s):** Lecture, discussion and hands on activiites

**Participant Materials:** Participant Guide

**Assessment Method(s):** Review of hands on exercises

**Prerequisites:** The participant must have a basic level of cognitive knowledge of NFPA 25 and water-based inspection and testing before registration. This level may be gained in several ways:

- 3-day *Inspection and Testing for the Fire Sprinkler Industry Seminar* (In Class delivery) or equivalent
- Combination of *Inspection of Fire Sprinkler Systems Bundled Seminar (ITM Series)* and *Inspection of Fire Sprinkler Systems Bundled Seminar (ITM Series)* (Online self-paced delivery)
- NICET Level 1 Water-Based Inspection
- Combination of relevant education, training and work experience

**Personal Protective Equipment Requirements:** Participants are required to provide wear eye protection. It is recommended that participants wear closed toed shoes or boots.