Water-based Fire Protection Inspector Level II Content Outline

The ACE Inspector II certification is designed for inspectors who work independently to perform normal ITM duties and have a minimum of 2,000 hours of work experience in the field of inspection and testing of water-based fire protection systems.

2.1   Basic Position Functions (Questions related to these tasks make up approximately 5% - 10% of the exam)
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.

2.2   Scope and Documentation (Questions related to these tasks make up 5 – 15% of the exam)
Candidates should understand the scope of work for an NFPA 25 Inspection, Testing and Maintenance service. Candidates should also have a clear understanding of who is responsible for the overall ITM of the system, corrections and repairs, notifications, and the potential for hazard evaluation.

2.3   Inspection, Testing and Maintenance of Water based Systems (Questions related to these tasks make up 65% - 75% of the exam)
Candidates should have the knowledge and skills to conduct:

    2.3.1   ITM of System Valves and all common system components
    2.3.2   ITM of Wet Systems
    2.3.3   ITM of Dry Systems
    2.3.4   ITM of Standpipe Systems
    2.3.5   ITM of Fire Pump System
    2.3.6   ITM of Private Fire Service Mains
    2.3.7   ITM of Water Storage Tanks
    2.3.8   ITM of Deluge and Pre-action systems
    2.3.11 Inspection of Internal Piping and obstruction investigations

2.4   Impairments and Deficiencies (Questions related to these tasks make up 5 – 10% of the exam)
Candidates should show a complete understanding of the various types of impairments and deficiencies and the appropriate impairment procedures in NFPA 25. In addition, candidates should understand the various reporting procedures for deficiencies and/or impairments that may be required by state and/or local jurisdictions, and who is responsible for any such respective tagging and/or reporting procedures. Candidates should also be able to explain the proper procedures for restoring a system to service.