Inspection and Testing of Fire Alarm Systems Certification

Level II Content Outline

The candidate for NICET certification at Level II in Inspection and Testing of Fire Alarm Systems should have the knowledge and experience to:

Plan, perform, and coordinate periodic inspections and tests of complex* fire alarm systems and prepare related records and reports.

*Complex systems may include, but are not limited to, one or more of the following: suppression interfaces, networked control units, smoke control interfaces, air sampling systems, multi-zone voice evacuation systems, and/or high-rise applications.

2.1 Plan and Coordinate Work

(Questions related to these tasks make up 20-30% of the exam.)

2.1.1 Determine the scope of an inspection assignment involving interfaces with other systems. [1]

2.1.2 Survey a system to identify types of devices, fire alarm system interfaces, potential problems, and existing documentation. [1]

2.1.3 Determine the presence of other fire protection and building systems, and device locations. [1]

2.1.4 Coordinate inspection and testing with the owner prior to and during the inspection. [1]

2.1.5 Coordinate testing with other trades and specialties as needed. [1, 2]

2.1.6 Identify, read, and interpret the appropriate codes and standards for the inspection assignment. [1, 2]

2.1.7 Issue testing notifications as needed. [1]

2.1.8 Restore the system. [1]

2.1.9 Identify and file system-appropriate documentation and reports. [1, 2]

2.2 Inspect Interfaces and Specialized Equipment

(Questions related to these tasks make up 28-38% of the exam.)

2.2.1 Inspect elevator shutdown interfaces. [1]

2.2.2 Inspect smoke control system interfaces. [1, 2]

2.2.3 Inspect interfaces with suppression and pre-action systems. [1]

2.2.4 Inspect emergency communication systems equipment. [1]

2.2.5 Inspect specialized detection equipment. [1]

2.2.6 Inspect networked control equipment. [1]

2.3 Test Functionality of Specialized and Interfaced Equipment and Circuits

(Questions related to these tasks make up 37-47% of the exam.)

2.3.1 Test elevator shutdown activation. [1]

2.3.2 Test smoke control system interfaces. [1, 2]

2.3.3 Test interfaces with suppression and pre-action systems. [1]

2.3.4 Test emergency communication systems equipment. [1]

2.3.5 Test specialized detection equipment. [1]

2.3.6 Test networked control equipment. [1]

November 1, 2019   footnote number is linked to a reference on the Selected General References listing