



(Updated Exams Release Date: October 7, 2024) Inspection and Testing of Fire Alarm Systems Certification

Level I Content Outline

The candidate for NICET certification at Level I in Inspection and Testing of Fire Alarm Systems should have a minimum of 6 months of experience in the inspection and testing of fire alarm and suppression interfaces and have the basic knowledge and experience to: Perform periodic inspections and tests of basic* fire alarm systems and prepare related records and reports.

**Basic fire alarm systems do NOT include the following: suppression systems, networked control units, smoke control systems, air sampling systems, multizone voice evacuation systems, high-rise applications, and job planning. However, this MAY include elements such as door releases, elevator recall, duct detectors and air handler shutdown not part of smoke control systems, single-zone voice evacuation, etc.*

1.1 Plan and Coordinate Work

(Questions related to these tasks make up 7-17% of the exam.)

- 1.1.1 Determine the number, type, and location of devices to be inspected and/or tested. 1
- 1.1.2 Coordinate with the owner/building manager during inspection and testing. 1
- 1.1.3 Identify and apply the appropriate inspection and testing requirements for the job. 1
- 1.1.4 Issue notifications to applicable parties of testing and completion as needed. 1
- 1.1.5 Identify findings and issue appropriate notifications to applicable parties. 1
- 1.1.6 Ensure the restoration of the fire alarm system. 1
- 1.1.7 File documentation and reports. 1

1.2 Inspect Equipment

(Questions related to these tasks make up 25-35% of the exam.)

- 1.2.1 Inspect system control units. 1
- 1.2.2 Inspect system power supplies wiring and connections. 1
- 1.2.3 Inspect initiating devices. 1
- 1.2.4 Inspect notification appliances. 1
- 1.2.5 Inspect equipment for off-premises signaling. 1
- 1.2.6 Inspect system wiring and connections. 1

1.3 Test Functionality

(Questions related to these tasks make up 46-56% of the exam.)

- 1.3.1 Test functionality of system control units. 1
- 1.3.2 Test functionality of power supplies. 1
- 1.3.3 Test functionality of initiating devices and circuits. 1
- 1.3.4 Test functionality of notification appliances and circuits. 1
- 1.3.5 Test functionality of equipment and circuits for off-premises signaling. 1
- 1.3.6 Test functionality of basic interfaces. 1

1.4 Maintain Devices

(Questions related to these tasks make up 3-13% of the exam.)

- 1.4.1 Replace batteries as needed. 1
- 1.4.2 Identify replacement devices as needed. 1
- 1.4.3 Clean devices as needed. 1

September 30, 2024

[footnote number is linked to a reference on the Selected General References listing](#)