



# 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 the 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 interfaces, networked control units, smoke control interface, aspirating systems, multi-zone voice evacuation systems, high-rise applications, and job planning; but MAY include elements such as door releases, elevator recall, local duct detectors, local air handler shutdown, single-zone voice evacuation, etc.*

### **1.1 Plan and Coordinate Work**

(Questions related to these tasks make up 24-34% 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 of testing as needed. 1, 2
- 1.1.5 Identify impairments and issue appropriate notifications. 1
- 1.1.6 Restore the system. 1
- 1.1.7 File documentation and reports. 1

### **1.2 Inspect Equipment**

(Questions related to these tasks make up 24-34% 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 signal wiring and connections. 1

### **1.3 Test Functionality**

(Questions related to these tasks make up 34-44% 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
- 1.3.7 Manually measure sensitivity of detectors (without accessing site-specific programming). 1

### **1.4 Maintain Devices**

(Questions related to these tasks make up 5-13% of the exam.)

- 1.4.1 Replace batteries as needed. 1
- 1.4.2 Replace devices as needed. 1, 2
- 1.4.3 Clean devices as needed. 1

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