

Inspection and Testing of Water-Based Systems

about NICET



Program Information

This certification program is for engineering technicians engaged in the inspection and testing of existing water-based fire protection systems, including identifying and addressing emergency and pre-planned impairments.

Certification is awarded to individuals who meet a set of industry-specified requirements. The criteria fall in two main categories: written exams and work experience, each of which has a separate application process and fee.

Value of Certification

Holding NICET certification, a nationally-recognized certification, is known to:

- Increase professional stature.
- Increase job advancement opportunities.
- Provide additional responsibilities and/or accelerated entry into new job assignments.
- Increase assignments where NICET certification is a requirement.
- Serve as a marketable credential to employers, prospective employers and/or clients.

The National Institute for Certification in Engineering Technologies (NICET), a division of the National Society of Professional Engineers (NSPE), provides an independent and rigorous evaluation of knowledge and experience of individuals in the fields of engineering technology. Founded in 1961, NICET serves as a respected authority in many technical fields, and has certified more than 130,000 technicians and technologists.



Fire Protection

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Content Outline Summary and Requirements



Content Outline Summary

The content outline summary is intended to illustrate the major responsibilities, tasks, knowledge, and skills associated with each level of certification.

Level IA Inspection & Testing Fundamentals

- 1.1 Installation Tasks (85-89%)
 - 1.2 Testing Tasks (11-15%)
- #### LevelB Work Practices
- 1.1 Documentation Tasks (100%)
 - 1.2 Safety Tasks (38-42%)
 - 1.3 Work Management Tasks (38-42%)

Level IIA Inspection

- 2.1 Inspection Tasks (100%)

Level IIB Testing

- 2.1 Testing Tasks (100%)

Level IIC Work Practices

- 2.1 Documentation Tasks (12-16%)
- 2.2 Safety Tasks (14-18%)
- 2.3 Work Management Tasks (68-72%)

Level IIIA Inspection & Responsibilities

- 3.1 Inspection Tasks (85-89%)
- 3.2 Testing Tasks (11-15%)
- 3.3 Work Management Tasks (4-8%)

Level IIIB Advanced Testing

- 3.1 Testing Tasks (11-15%)
- 3.2 Safety Tasks (2-6%)
- 3.3 Work Management Tasks (7-11%)

Certification Requirements

Level I

Examination: Pass the Level I (both Inspection & Testing Fundamentals and Work Practices) exams.

Performance Verification: Obtain supervisor verification of all Level I Performance Measures.

Work History: Provide complete, detailed position descriptions and time allocations showing a minimum of 6 months of technical experience with water-based fire protection systems.

Personal Recommendation: Not required.

Major Project: Not required.

Level II

Examination: Pass the Levels I (both Inspection & Testing Fundamentals and Work Practices) and II (including Inspection, Testing, and Work Practices) exams.

Performance Verification: Obtain supervisor verification of all Level I and II Performance Measures.

Work History: Provide complete, detailed position descriptions and time allocations showing the minimum for Level I, PLUS 18 additional months (for a total of 2 years) of experience with water-based fire protection systems.

Personal Recommendation: Not required.

Major Project: Not required.

Level III

Examination: Pass the Levels I (both Inspection & Testing Fundamentals and Work Practices), II (including Inspection, Testing, and Work Practices), and III (both Inspection and Responsibilities and Advanced Testing) exams.

Performance Verification: Obtain supervisor verification of all Level I, II, and III Performance Measures.

Work History: Provide complete, detailed position descriptions and time allocations showing the minimum for Level II, PLUS 3 additional years (for a total of 5 years) of experience with water-based fire protection systems.

Personal Recommendation: Obtain recommendation ratings showing a capacity for independent engineering technician responsibilities.

Major Project: Not required.

“...NICET plays a critical role in helping SimplexGrinnell provide the high-quality protection our customers expect and deserve.” Bruce Fraser, Director, Industry Relations, SimplexGrinnell