



Providing Certification Programs Since 1961

Certification Industry Standards

NICET uses the following standards as references for program development and operations:

ISO/IEC 17024 Standard for Personnel Certification

The Standards for Educational and Psychological Testing (AERA, APA, & NCME, 1999)

NCCA's Standards for the Accreditation of Certification Programs

The Principles of Fairness: An Examining Guide for Credentialing Boards (CLEAR and ICE 1993)





Providing Certification Programs Since 1961

Code of Ethics

NICET-certified engineering technicians and technologists recognize that the services they render have a significant impact on the quality of life for everyone. As they perform their duties and responsibilities on behalf of the public, employers, and clients, they shall demonstrate personal integrity and competence. Accordingly, certificants shall:

1. Have due regard for the physical environment and for public safety, health, and well being. If their judgment is overruled under circumstances where the safety, health, property, or welfare of the public may be endangered, they shall notify their employer, client, and such other authority as may be appropriate. An employee shall initially express those concerns to the employer.

2. Undertake only those assignments for which they are competent by way of their education, training, and experience.

3. Perform their duties in an efficient and competent manner with fidelity and honesty.

4. Admit and accept their own errors when proven wrong and never distort nor alter the facts in an attempt to justify their decisions.

5. Avoid conflicts of interest whenever possible. When unavoidable, they shall disclose to their employer or client, in writing, any action that might create the appearance of a conflict of interest.

6. Avoid receiving and granting bribery in all its forms.

7. Strive to maintain their proficiency by updating their technical knowledge and skills in engineering technology.

8. Not misrepresent or permit misrepresentation of their own or their associate's academic or professional qualifications nor exaggerate their degree of responsibility for any work.

9. Not reveal facts, data, or information obtained in connection with services rendered without prior consent of the client or employer except as authorized by law.





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Inspection and Testing of Fire Alarm Systems Program Information

Technician Profile

Application Package (fees, certification requirements, experience forms, performance measures, and Level IV major project guidelines)

Exam Content Outlines

References Material used during program development

Exam Information (number of questions, time allotted)

Fees (application, recertification)

Inspection and Testing of Fire Alarm Systems (I&TFAS) Technician Profile

This certification program is for engineering technicians engaged in the performance, documentation, planning, and coordination of periodic inspection and testing of existing fire alarm systems and their components. General areas covered include inspection and testing procedures, periodicity, documentation, safety, and work management. Technical areas covered include types of fire alarm systems and their respective components, device and circuit specific test procedures for initiating devices, notification appliances, supervisory signal-initiating devices, primary and secondary power supplies, emergency communications equipment, interface with other systems, and on/off premises monitoring.

Level I I&TFAS Technicians

Level I I&TFAS technicians are trainees and entry-level technicians who perform limited job tasks under supervision. They 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. They have at least 6 months of experience in I&TFAS.

Level II I&TFAS Technicians

Level II I&TFAS technicians perform routine tasks under limited supervision. Level II Technicians can 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. Level II Technicians have at least 18 months of experience in I&TFAS.



NICET ENGINEERING TECHNICIAN CERTIFICATION Certification Application Package

Standard Model Programs

Basic Instructions

Certification candidates must submit the entire Certification Application Package, including the Test Application and the Experience Application. After a candidate passes a written exam requirement, his or her work experience will be evaluated by NICET.

At minimum, a candidate must submit the Test Application in order to schedule and sit for an exam. However, to prevent delays in certification, candidates are recommended to submit their completed Experience Application at the time they apply for the exam.

Each NICET Standard Model program has a specialized Certification Application Package, which can be found on NICET's website. Each Certification Application Package is comprised of the following parts:

Test Application

Section I: Candidate Information Section II: Payment Form

Experience Application

Part I: Work History Part II: Verifier Data Part III: Performance Verification

Mail this application, with payment, to:

NICET c/o Bank of America PO Box 418651 Boston, MA 02241-8651

To send by expedited mail (e.g. – FedEx, UPS):

NICET c/o Bank of America Lockbox Services Lockbox 418651 MA5-527-02-07 2 Morrissey Blvd. Dorchester, MA 02125

Send applications/documentation without payment to: NICET 1420 King Street Alexandria, VA 22314 Ensure that you are submitting the correct application materials and fee payment. Access the current certification criteria and fee information at <u>www.nicet.org</u>.

- Make a copy of the entire application and keep it with your testing/certification records.
- Include name and identification number on every page of every part of the application.

Did you remember to:

- Sign and Date the Applicant's Statement of Understanding in Section 1?
- Enclose your payment?
- Keep a copy of this application for your records?
- Mail all sections of this application together?

REMEMBER!



Certification Application Package

Inspection and Testing of Fire Alarm Systems



Requirements for Inspection and Testing of Fire Alarm Systems Certification

Level I Scope:

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 interfaces, a spirating systems, multi-zone voice evacuation systems, high-rise applications, and job planning.

Level II Scope:

Plan, perform, and coordinate periodic inspections and tests of complex* fire alarm systems, and prepare related records and reports. *Complex fire alarm 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, or high-rise applications.

> Level I Level II Examination - Pass the: Level I exam Levels I and II exams **Performance Verification – Obtain supervisor** verification of: All Level I Performance All Levels I and II Measures Performance Measures Work History – Provide complete, detailed position descriptions and time allocations showing¹: A minimum of 6 months The minimum required for of experience in the Level I, plus a minimum of inspection and testing of 12 additional months of fire alarm and experience in the suppression systems. Of inspection and testing of this 6 months: fire alarm and suppression systems. Of this additional A minimum of 2 12 months: months must be periodic/maintenance A minimum of 4 inspection and months must be testing of fire alarm periodic/maintenance systems. inspection and testing of complex² fire alarm A <u>maximum</u> of 4 months may be systems. acceptance testing of A <u>maximum</u> of 8 fire alarm systems. months may be A maximum of 2 acceptance testing of complex² fire alarm months may be inspection and systems. testing-for either A maximum of 3 acceptance or months may be maintenance-of inspection and sprinkler or special testing-for either hazards fire acceptance or suppression maintenance-of sprinkler or special systems. hazards fire suppression systems. **Personal Recommendation – Obtain recommendation** (not required) (not required) Major Project - Provide a detailed description of a (not required) (not required)

¹ Time periods are full time equivalent.

² "Complex" as defined in the Level II Scope and Content Outline.



National Institute for Certification in Engineering Technologies®

A division of the National Society of Professional Engineers www.nicet.org



NICET ENGINEERING TECHNICIAN CERTIFICATION Test Application - Section 1: Candidate Information

(Please print clearly or type) ID Number

Z

□ Mr. Name: □ Ms.		Name Change? If your nar last application, enter your p	
	Middle Initial		
Note: At your test site, you will be required to present a government-iss provide above. This name will also appear on all correspondence			
Indicate your status below. You must write your ID number in the	space provided	at the top right corner of	each page of the application.
I have a NICET ID my number is: N NOT the same as the certification number that appears on your of your personal NICET records. If you do not know your NICET	certificate and w	allet card. Your NICET ID n	umber can be found on most
This is my first application. First-time applicants must provide ONE of the government ID nu Experience Application package, when a space is provided in th ID number. Once NICET has processed your test application, yo	e top right corne	er for a NICET ID number, p	lease write your Government
Social Security Number:			
Driver© License No.:	State:	Expir	ation date:
Government-issued photo ID no.:	Issue	date: Expir	ation date:
Issuing agency:			
Passport No.:	Issuing countr	y:	Issue date:
NICET reserves the right to require a photocopy of this ID to confirm			

			Address Inf	formation
Home Address:				Present Employer:
Street	Apt.			Company Name Business Address:
City	State	Zip Code	+4	Street
When receiving items Business □ Home □	by mail, which a	ddress do you	u prefer?	City State Zip Code +4 Present Position Title:

Electronic Contact Information and Preferences

Phone Numbers	Business:	Home:
	Mobile/cell:	Fax:
Email Addresses	Business:	
(Please print carefully	/) Home:	
May we contact you	about NICET business by:	

• Email? yes no If yes, preferred email address? Business Home If you permit NICET to contact you by email, then your testing authorization notice and other correspondence about your upcoming exam will be delivered via email. Please ensure that your e-mail filter can accept messages from the domain @nicet.org

• Fax? □ yes □ no

Applicant's Statement of Understanding

I certify that the information given on this page is accurate and current, that NICET may use the information as indicated to identify me and to send me information, and that it is my responsibility to notify NICET should any of the information provided on this page change. I have read, understood, and accept the NICET Conditions of Application. I have read, understood, and agree to abide by the NICET Code of Ethics.



Conditions of Application for Technicians

- 1. NICET has established policies, procedures, and fees that govern certification decisions, the uses of certification, and interactions with applicants and certificants. These policies, procedures, and fees may be changed by NICET at any time without prior notification. These policies, procedures, and fees are freely available on NICET's website (<u>www.nicet.org</u>). Each person who signs any NICET application accepts and agrees to follow these policies and procedures in all dealings with NICET.
- 2. Each NICET certification may have multiple criteria that must be met by a candidate in order for the certification to be conferred. These criteria may be changed by NICET at any time without prior notification. Current criteria, along with general information about NICET and its certification programs, are available from NICET's website (www.nicet.org). Individuals who are not resident in, or working in, the United States or its territories may not be eligible for certification. These individuals must contact NICET before applying and may be required to follow additional procedures, with additional fees, to demonstrate that they meet the criteria.
- 3. All applicants, candidates, and certificants **must comply with the NICET Code of Ethics** (see previous page) and follow generally accepted ethical practices at all times. For example, acquiring and/or providing specific knowledge of test questions prior to testing, or acquiring or providing assistance during an examination; intentionally providing information to NICET that is incomplete, or inaccurate; or knowingly providing technical services in an unsafe, inaccurate, or unprofessional manner may subject the offender to any number of sanctions, including legal prosecution.
- 4. NICET reserves the right to **deny**, **suspend**, **or revoke any certification** (pending or awarded) should the Institute determine that an applicant, candidate, or certificant has misrepresented information, violated a NICET policy or procedure, or violated the NICET Code of Ethics.
- 5. Maintenance of **current accurate contact information** is the responsibility of the applicant. NICET requires accurate contact information to communicate to the applicant important information related to testing, certification, and recertification.
- 6. The NICET name, logo, and certification mark are the property of NICET and may not be used without the expressed written permission of the Institute.
- 7. **NICET approval letters, wallet cards, and certificates** are issued to certificants for their use but remain NICET property at all times and may be recalled by the Institute at any time without prior notification.
- 8. **NICET test questions and examinations** are the copyrighted property of NICET. Any copying, sharing, or distribution of the content of those test questions and/or examinations constitutes copyright infringement and is a violation of U. S. federal law. Violators will be subject to suspension or revocation of NICET status and/or prosecution to the full extent of the law.

- Each person who signs a NICET application grants NICET the right to contact individuals named in application materials or other communications with NICET to confirm the accuracy of information provided by the applicant.
- 10. **NICET certification must be used, represented, and displayed** in accordance with NICET policies. NICET certification does not constitute a license to practice engineering.
- 11. Each person who signs a NICET application grants NICET the **right to publish their name, address, and certification** information in its certification directories and to provide that information to others in response to bonafide inquiries. Test scores will be given to the test-taker only, unless the test-taker submits a release form authorizing NICET to give the scores to another specified individual.
- 12. The applicant's **Social Security number or government-issued ID number** is required for identification purposes. It will be used for NICET internal use ONLY and will not be given to anyone else without legitimate legal reason.
- 13. An applicant's test records will be purged for an individual certification area after five years if no further testing is completed in that certification area and the individual is not certified in that area. If the applicant has active certifications or is actively testing in other certification areas, the records for those other certification areas will not be affected.
- 14. An applicant with a disability as defined in Title III of the Americans with Disabilities Act who may be placed at a disadvantage when taking a NICET certification examination must advise NICET, in writing, of their needs by including a letter or other appropriate documentation with their application. NICET will respond by telephone or other means to make appropriate accommodations.
- 15. All certifications expire three years after an individual's initial certification is awarded and every third year thereafter. Recertification will be based on the certificant's activities during that three-year period. Requirements and fees may be found in NICET's Continuing Professional Development Policy (See www.nicet.org). Several months before expiration, a recertification application will be sent to the last postal or email address provided by the certificant. If the application with payment is not received by NICET prior to the expiration date, the certificate will expire. Reinstatement to Active Status will involve an additional fee. If reinstatement has not occurred three years after the expiration date, all certifications and all testing records will be purged. Payment of new testing and/or application fees does not substitute for payment of the full recertification fee when due. Additionally, obtaining a higher-level NICET certification does not alter or "reset" the originally established three-year certification period.

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NICET ID No.:



NICET ENGINEERING TECHNICIAN CERTIFICATION Test Application - Section 2: PAYMENT FORM

Examination Selection

For each exam selected, indicate the Window ID number of your preferred 3-month testing window (not to be more than six months from the postmark date on this application) from the Eligibility Schedule to the right. The fee includes an experience evaluation if the candidate passes the written exam.

		Window ID	Fee
Electrical P	ower Testing		
Level I Exa	m (10027)		\$225
Level II Exa	am (10028)		\$290
Level III Ex	am (10029)		\$345
Level IV Ex	xam (10030)		\$400
Inspection a	nd Testing of Fire Alarm Systems		
Level I Exa	m (10035)		\$225
Level II Exa	am (10036)		\$290
Fire Alarm S	Systems		
Level I Exa	m (10007)		\$225
Level II Exa	am (10008)		\$290
Level III Ex	am (10009)		\$345
Level IV Ex	(10010)		\$400
Inspection a	and Testing of Water-Based Syste	ms	
Level I Insp	pection & Testing Fundamentals (10017)		\$170
Level I Wor	rk Practices Exam (10018)		\$170
Level II Ins	pection Exam (10019)		\$180
Level II Tes	sting Exam (10020)		\$180
Level II Wo	ork Practices Exam (10021)		\$180
Level III Ins	pection & Responsibilities Exam (10022)		\$225
Level III Ad	lvanced Testing Exam (10023)		\$225
Water-Base	d (formerly Automatic Sprinkler) S	Systems La	yout
🗆 Level I Exa	m (10011)		\$225
Level II Exa	am (10012)		\$290
Level III Ge	eneral Plan Preparation Exam (10013)		\$285
Level III Hy	draulics & Water Supply Exam (10014)		\$285
	xam (10016)		\$400
Special Haz	ards Systems		
Level I Exa	m (10031)		\$225
Level II Exa	am (10032)		\$290
Level III Ex	am (10033)		\$345
	(10034)		\$400
	rity Systems Technician	1	
Level I Exa	. ,		\$225
Level II Exa			\$290
Level III Ex			\$345
	(10004)		\$400
	rity Systems Designer	I	
Level I Exa			\$290
Level II Exa	am (10006)		\$345
		Total:	

	Eligibility Schedule			
Window ID	Window Period	Window Period UD Window Period		
1	January/February/March	7	July/August/September	
2	Feb/March/Apr	8	August/September/October	
3	March/April/May	9	September/October/November	
4	April/May/June	10	October/November/December	
5	May/June/July	11	November/December/January	
6	June/July/August	12	December/January/February	

You can apply for your test online.

You can submit payment for this application at NICET's website. Visit <u>www.nicet.org</u>, and login to your account. From there, you can submit/update your contact information, select your test, and pay with a credit card.

Payment and mailing information

Payment of the total Examination fee in the form of a check or money order made payable to NICET, must accompany this application form. Any Certification Application that includes a check or money order must be sent to NICET at:

Via U.S. Postal Service: NICET c/o Bank of America PO Box 418651 Boston, MA 02241-8651 Via FedEx, UPS: NICET c/o Bank of America Lockbox Services Lockbox 418651 MA5-527-02-07 2 Morrissey Blvd. Dorchester, MA 02125

Any Certification Application forms that do not include a payment must be sent to:

Evaluations NICET 1420 King Street Alexandria, VA 22314

Don't forget to:

- Sign and Date the Applicant's Statement of Understanding in Section 1.
- Enclose your payment.
- Keep a copy of this application for your records.
- Mail all sections of this application together.

Express Evaluation (optional)

To speed up your experience evaluation, please contact NICET at 888-476-4238, Option 4, to ask for Express Evaluation instructions and arrange for electronic payment of the Express Evaluation fee of \$295 per subfield per Level. Express evaluations will be completed within 10 business days of the receipt of payment.

NICET OFFICE USE ONLY						
Employer ID	Postmark Date	Spec. Cont.	ADA	App #	Lockbox #1	Amt. Paid



Experience Application Part 1: Work History Sections 1, 2, and 3



INSTRUCTIONS and CHECKLIST

First-time applicants (and those specifically directed by NICET):

For the span of your <u>entire career</u>, complete one form **consisting of at least sections 1, 2, and 3** for each position held at each employer **and** for any period within a given position in which your responsibilities changed significantly.

Returning applicants

Follow the instructions above solely for the period of time from the end date of your <u>last work history submittal</u> to the date you submit a new application.

Section 1 – Position Identification

Section 2 – Time Allocation

Break out your experience into all applicable technical areas in which you worked while in the position listed in Section 1.

Section 3 – Detailed Description of Work Performed

For each Subfield / Technical Area (S/TA) into which you divided your work in Section 2 – Time Allocation, provide detailed descriptions, in your own words, of the work you performed.

- Detail the technical and supervisory nature of the work.
- Describe the types of tasks you performed and the types and scopes of projects on which you worked.
- Detail the types of materials, tools, machinery, systems, and system components with which you worked.

For all gaps in your work histories (e.g., unemployment periods, winter breaks, and so on.

In Section 2, line item "Other", write "Gap" and in Section 3 on page 2 of 3 provide the reason for the gap.

If you are submitting a work history amendment you must submit the following:

- a signed and dated letter of explanation for the changes you made to your account
- the amended work history forms <u>countersigned</u> by your verifier, who by so doing indicates his or her attestation to the accuracy and completeness of the amended account

Work History Form Checklist – Do:

 \Box Submit Sections 1, 2 and 3 of the form of the form for each position held.

□ Ensure that the forms are completely and accurately filled out for the period from one submittal to the next.

□ Make sure to provide the "Dates Positions Held" including **month** and **year**.

□ Provide in Section 3, corresponding detailed descriptions for each Subfield / Technical Area (S/TA) in which your experience was broken out in Section 2, using your own words.

□ Sign and date each page as indicated. Unsigned documents will not be accepted.

Work History Form Checklist - <u>Do Not</u>:

□ Submit official position descriptions, resumes, testimonials, and marketing materials in lieu of completing Section 3 to describe your responsibilities.

□ Submit amended work experience accounts without a signed letter of explanation for the changes in your work history unless directed to do so by NICET.

□ Have verifier countersign work history forms unless directed by NICET to do so.

□ Submit forms of your own design.

All information provided in candidate's application is cross-evaluated with documents on file to verify the following:

- consistency of work experience accounts
- appearance of signatures and initials
- appropriateness of verifier and recommender

and, as needed, through third-party entities including the following:

- licensing bodies and authorities having jurisdiction
- previous and current employers
- other sources of official documentation

Note: Work experience documents submitted with applications to test are placed in the queue for evaluation when a candidate meets the exam requirements for a given subfield and level. Work experience documents received in response to Conditional Decision Letters (CDLs) are placed in the queue for evaluation upon their receipt. In both cases the documents are evaluated in the order they are placed in their respective queues. (first-come, first-served)

Based on the present workload, it may take up to 90 days from the date a candidate meets an exam requirement for work experience documents to be evaluated and up to 60 days from date of receipt for CDL responses to be evaluated. 5/15





Experience Application - Part I: Work History

Section 1 – Position Identification

Employer:	Location of employer (city, state):	Name of supervisor (s):	
Candidate's Position:	Dates position / responsibilities held:	Full-time Part-time Seasonal	
	From: Month Year	If part-time, hours per week:	
	To: Month Year	If full-time seasonal, months worked per s	eason
President / owner / co-owner		in full time seasonal, months worked per s	
	Section 2 – Time Allocation		Time devoted
Subfield / Technical Area (S/TA)		ription	to S/TA (%)
Fire Alarm Systems	Fire alarm systems specific activities inclayout (plan preparation), equipment sel		
(FA)	servicing, and technical sales.		%
Fire Alarm Systems Inspection / Testing (ITF)	Fire alarm systems work limited to perfo inspection and testing of fire alarm syste		%
Special Hazards Systems	Special hazards suppression systems s	pecific activities including project	/0
opeolal nazarao oyotemo		aration), equipment selection, installation,	
(SH)	acceptance testing, troubleshooting, ser		%
Water-based Fire Protection Systems	Water-based fire protection systems lay		
Layout	management, system layout (plan prepa		%
(SP)	evaluation, equipment selection, plan approval, and sales.		
Water-based Fire Protection Systems	Specifically performing and managing th		
Inspection / Testing	systems according to NFPA 25. Does no		
(ITS)	installation and final testing / commission		%
Water-based Fire Protection Systems	The performance and supervision of fitti		
Fitting / Fabrication (SF)	nspections performed during installation and final testing / commissioning of new vater-based fire protection systems or additions to systems.		
Other Fire Protection Work	This includes work with portable extingu		%
(OFP)	municipal and private fire hydrants, fire-s		%
Video Security System	Video security systems specific activities		/0
Technician		e, tests and inspections, troubleshooting,	
(VST)	and servicing.	, , , , , , , , , , , , , , , , , , , 	%
Video Security System	Video security systems design and plan		
Designer	management, plan preparation, site eva	luation, equipment selection, plan	
(VSD)	approval, and technical sales.		%
Industrial Instrumentation	Industrial instrumentation work including		0/
(1/I)	installation and maintenance of industria		%
Audio Systems (AS)	Audio system specific activities including the layout, installation, and maintenance of audio systems for commercial, industrial, and large space applications.		
Electrical Power Testing	Specifically testing electrical power equipment, cabling, and systems operating in		
(EPT)	the range of 600 V and above. Does not include general wireman duties.		
Other Low / Limited Voltage Systems			
(LV)	control, nurse call, building control, computer networking, and emergency lighting.		
Other Electrical Systems	General electrician work - residential and commercial wiring of loads including		
(GE)	light machinery, lighting, HVAC components, and distribution panels and outlets.		
Other	Specify: Gap:		
			%

AFFIDAVIT: I certify that the above is a true and complete breakout of the time I spent working in the subfields/technical areas indicated for the listed position. I understand that provision of misinformation is in violation of the NICET Code of Ethics and policy, and can result in the rejection of this application and/or the revocation of any certificate NICET has issued in my name.

 Applicant's Signature
 Date
 Verifier's Signature

 5/15
 (Only if directed by NICET)

Sections 1, 2, and 3 must be filled out for each position held.

All information provided is subjected to cross-confirmation with documents on file and as needed through thirdparty entities including licensing bodies, previous and current employers, and other sources of official documentation.



NICET



Section 3 – Detailed Description of Work Performed

NICET cannot accept submissions provided on forms or in formats other than our own.

Provide separate entries for each S/TA for which you made an entry in Section 2 using the designated abbreviations. If supplementary space is needed use additional pages of Section 3.

S/TA	*EXAMPLE* Detailed Description of Technical Work Performed
	Supervised and performed the installation, corrective maintenance, under construction testing, and commissioning of new fire sprinkler systems and system additions. Systems installed included wet, dry, pre-action, deluge, and foam. Components installed and maintained included piping, pipe hangers, earthquake bracing, alarm check valves, various cutout valves, flow sensors, FD connections, standpipe hose connections, jockey and fire pumps, and backflow preventers. Installed systems of 25 – 600 heads in a variety of building types including residential and commercial high rise, mercantile, manufacturing, school, and military.
S/TA	Detailed Description of Technical Work Performed
S/TA	Detailed Description of Technical Work Performed

AFFIDAVIT: I certify that the above is a true and complete breakout of the time I spent working in the subfields/technical areas indicated for the listed position. I understand that provision of misinformation is in violation of the NICET Code of Ethics and policy, and can result in the rejection of this application and/or the revocation of any certificate NICET has issued in my name.

Applicant's Signature

Date

Verifier's Signature (Only if directed by NICET.) Sections 1, 2, and 3 must be filled out for each position held.

All information provided is subjected to cross-confirmation with documents on file and as needed through third-party entities including licensing bodies, previous and current employers, and other sources of official documentation.



S/TA

Experience Application - Part I: Work History

Section 3 – Detailed Description of Work Performed (continue as needed)

NICET will not accept submissions provided on forms or in formats other than our own.

Provide separate entries for each S/TA for which you made an entry in Section 2 using the designated abbreviations.

Detailed Description of Technical Work Performed

S/TA	Detailed Description of Technical Work Performed

S/TA	Detailed Description of Technical Work Performed

AFFIDAVIT: I certify that the above is a true and complete breakout of the time I spent working in the subfields/technical areas indicated for the listed position. I understand that provision of misinformation is in violation of the NICET Code of Ethics and policy, and can result in the rejection of this application and/or the revocation of any certificate NICET has issued in my name.

			Sections 1, 2, and 3 must
Applicant's Signature	Date	Verifier's Signature (Only if directed by NICET.)	be filled out for each position held.

All information provided is subjected to cross-confirmation with documents on file and as needed through third-party entities including licensing bodies, previous and current employers, and other sources of official documentation.



Experience Application - Part I: Work History

Section 3 – Detailed Description of Work Performed (continue as needed)

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Applicant's Signature

Date

Verifier's Signature (Only if directed by NICET.) Sections 1, 2, and 3 must be filled out for each position held.

All information provided is subjected to cross-confirmation with documents on file and as needed through third-party entities including licensing bodies, previous and current employers, and other sources of official documentation.





NICET ENGINEERING TECHNICIAN CERTIFICATION Experience Application, Part II: Verifier Data

(Please print legibly or type)

To be completed by the Verifier only

Name:	Title:	
Current employer:		
Daytime phone:	_Email:	
Professional licenses/certifications:		
My observation of the candidate occurred during m	y employment at:	
Current employer		
Previous employer:		
My observation of the candidate occurred	as a part of my role as:	
Candidate's direct supervisor		
Candidate's indirect supervisor/manager responsible for the candidate's work results/outcomes		
Engineer on one of the candidate's projec	ts	
Governmental authority:		
Contract supervisor for:	client, orgeneral contractor	
Other:		
I have (Check all that apply):		

directly observed the candidate's work.
directly observed the results of the candidate's work.
received reliable reports from those who have directly observed the candidate's work.
observed the candidate's ability to supervise others who are doing this work.

During what time period were you in the above-indicated relationship with the candidate?

From /____to___/___ Mo. Yr. Mo. Yr.

Verifier's Statement:

I certify that:

- I understand and have carefully considered each performance measure that I have verified or will verify.
- I have not verified, and will not verify, any performance measure that I have not either personally observed or received reliable and specific reports from one who has personally observed the performance.
- I have not signed, and will not sign, any verification statement on a form that does not have the candidate's name at the top.
- I have not asked nor will I ask anyone to sign my name in my stead.

Signature	Date	Initials
•		

Mail the completed Experience Application Package with payment to: NICET, c/o Bank of America, PO Box 418651, Boston, MA 02241-8651 If this form supplements a previously-paid experience evaluation, send it to: NICET Evaluation, 1420 King Street, Alexandria VA 22314





NICET ENGINEERING TECHNICIAN CERTIFICATION Experience Application, Part III: Performance Verification Inspection and Testing of Fire Alarm Systems

Instructions to the Verifier: For each performance measure listed, please write your initials in the appropriate column to indicate whether you have witnessed that capability in the candidate's performance of his/her job.

Level I Performance Measures

		-
The candidate has repeatedly demonstrated:		Verifier's Initials
0306-1101	Maintain person safety on the job site.	
0306-1102	Select and use the proper tools, materials, and instruments for Level I tasks.	
0306-1103	Identify and test control units, power supplies, and off-premises communication equipment.	
0306-1104	Identify and test common notification and initiating devices.	
0306-1105	Identify and apply the inspection and testing methods as defined in NFPA 72.	
0306-1106	Prepare documentation of inspection and testing activities in accordance with NFPA 72 requirements.	
0306-1107	Read and interpret system plans to locate fire alarm system devices.	
0306-1108	Locate and identify fire alarm system interfaces with other systems.	
0306-1109	Recognize and report either external signs of obstruction or damage to fire alarm system devices.	
0306-1110	While performing inspections, communicate with the facility owner, occupants, and AHJ to exchange needed information about inspection and testing activities and alarm coordination.	

Statement of Verification: I verify that I have a detailed personal knowledge of the candidate's performance related to each of the performance measures that I have initialed above and that, in my best professional judgment and according to government and industry standards and best practices, each initialed statement is true and has been repeatedly and consistently demonstrated.

Signature:

Date:

Level II Performance Measures

The candidate has repeatedly demonstrated an ability to:		Verifier's Initials
0306-3101	Identify the major components of specialized systems and their functions.	
0306-3102	Identify the fire alarm system interfaces with suppression and pre-action systems, as well as their components, wiring, and functions.	
0306-3103	Read and apply manufacturers' information to correctly inspect and test interfaces with specialized equipment, such as flame detectors, radiant heat detectors, mass notification systems, smoke control equipment, and so forth.	
0306-3104	Recognize and report external signs of damage or obstructions to the proper operation of specialized equipment, such as flame detectors, radiant heat detectors, mass notification systems, smoke control equipment, and so forth.	
0306-3105	Determine signal paths and interactions from system plans.	
0306-3106	Predict the fire alarm system response to a signal or activity generated by an interfaced suppression or pre- action system and vice versa.	
0306-3107	Identify and apply inspection and testing frequencies and methods, as defined in NFPA 72.	
0306-3108	Properly document testing activities and findings in accordance with the relevant standards and authorities.	



Level II Performance Measures continued

The candidate has repeatedly demonstrated an ability to:		Verifier's Initials
0306-3109	Plan the inspection and testing of a large, complex fire alarm system, including coordination with the owner and with other trades, specialties, and authorities.	
0306-3110	Coordinate the activities of a team of inspectors on a large, complex inspection and testing job effectively to ensure a full and accurate accounting of the condition and status of the system and satisfaction of the requirements of the applicable standards and authorities.	

Statement of Verification: I verify that I have a detailed personal knowledge of the candidate's performance related to each of the performance measures that I have initialed above and that, in my best professional judgment and according to government and industry standards and best practices, each initialed statement is true and has been repeatedly and consistently demonstrated.

Signature:

Date:

Note: Verifier must have submitted one "Verifier Information" form related to this candidate.

Mail the completed Experience Application Package with payment to: NICET, c/o Bank of America, PO Box 418651, Boston, MA 02241-8651 If this form supplements a previously-paid experience evaluation, send it to: NICET Evaluation, 1420 King Street, Alexandria VA 22314



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, multizone 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.
- 1.1.2 Coordinate with the owner/building manager during inspection and testing.
- 1.1.3 Identify and apply the appropriate inspection and testing requirements for the job.
- 1.1.4 Issue notifications of testing as needed.
- 1.1.5 Identify impairments and issue appropriate notifications.
- 1.1.6 Restore the system.
- 1.1.7 File documentation and reports.

1.2 Inspect Equipment

(Questions related to these tasks make up 24-34% of the exam.)

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

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.
- 1.3.2 Test functionality of power supplies.
- 1.3.3 Test functionality of initiating devices and circuits.
- 1.3.4 Test functionality of notification appliances and circuits.
- 1.3.5 Test functionality of equipment and circuits for off-premises signaling.
- 1.3.6 Test functionality of basic interfaces.
- 1.3.7 Manually measure sensitivity of detectors (without accessing site-specific programming).

1.4 Maintain Devices

- (Questions related to these tasks make up 5-13% of the exam.)
- 1.4.1 Replace batteries as needed.
- 1.4.2 Replace devices as needed.
- 1.4.3 Clean devices as needed.

Approved January 7, 2015

Page 1 of 1



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.
- 2.1.2 Survey a system to identify types of devices, fire alarm system interfaces, potential problems, and existing documentation.
- 2.1.3 Determine the presence of other fire protection and building systems, and device locations.
- 2.1.4 Coordinate inspection and testing with the owner prior to and during the inspection.
- 2.1.5 Coordinate testing with other trades and specialties as needed.
- 2.1.6 Identify, read, and interpret the appropriate codes and standards for the inspection assignment.
- 2.1.7 Issue testing notifications as needed.
- 2.1.8 Restore the system.
- 2.1.9 Identify and file system-appropriate documentation and reports.

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.
- 2.2.2 Inspect smoke control system interfaces.
- 2.2.3 Inspect interfaces with suppression and pre-action systems.
- 2.2.4 Inspect emergency communication systems equipment.
- 2.2.5 Inspect specialized detection equipment.
- 2.2.6 Inspect networked control equipment.

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.
- 2.3.2 Test smoke control system interfaces.
- 2.3.3 Test interfaces with suppression and pre-action systems.
- 2.3.4 Test emergency communication systems equipment.
- 2.3.5 Test specialized detection equipment.
- 2.3.6 Test networked control equipment.

Page 1 of 1

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Inspection and Testing of Fire Alarm Systems

Level I Selected General References

Candidates are permitted to bring only the following reference into the test center.

Title	Edition*
NFPA 72	2013

This standard will also be available on-screen during the exam. Candidates may refer to their hardcopy and/or the on-screen copy.

*The test questions are based on the standard editions listed above; therefore, candidates are strongly urged to bring these editions to the exam. Note: candidates may bring older or newer editions—instead of the editions listed above—at their own risk.

Note: An NFPA Handbook will NOT be accepted as a substitute for any of the titles listed above.

Note: References must be bound or secured in a three-ring binder with a title page. They may have highlighted text and self-adhesive index tabs or dividers, however they <u>must be permanently attached</u>. No other additions or modifications to the references are allowed. References with loose paper or pages and freestanding tabs (e.g., repositionable sticky notes/tabs of any kind) are not permitted into the testing centers.

In addition to the reference listed above, the following publications can provide some of the job knowledge required by an inspection and testing technician. While these books may help you prepare for the exam, they are NOT permitted in the test center.

29 CFR 1910: Occupational Safety and Health Standards.

29 CFR 1926: Safety and Health Regulations for Construction.

NFPA 70: National Electric Code. National Fire Protection Association.

NFPA 70E: Electrical Safety in the Workplace. National Fire Protection Association.

Effective May 1, 2015

> This listing is not intended to be complete or representative.



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Inspection and Testing of Fire Alarm Systems

Level II Selected General References

Candidates are permitted to bring only the following reference into the test center.

Title	Edition*
NFPA 72	2013

This standard will also be available on-screen during the exam. Candidates may refer to their hardcopy and/or the on-screen copy.

*The test questions are based on the standard editions listed above; therefore, candidates are strongly urged to bring these editions to the exam. Note: candidates may bring older or newer editions—instead of the editions listed above—at their own risk.

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During the exam, the following titles will be available to candidates **on-screen only:** <u>Title</u> <u>Edition*</u> NFPA 92 2012

*The test questions are based on the edition listed above. This edition will be available to candidates during the exam in PDF format.

In addition to the references listed above, the following publications can provide some of the job knowledge required by an inspection and testing technician. While these books may help you prepare for the exam, they are NOT permitted in the test center.

29 CFR 1910: Occupational Safety and Health Standards.

29 CFR 1926: Safety and Health Regulations for Construction.

NFPA 13 (2013): Standard for the Installation of Sprinkler Systems. National Fire Protection Association.

NFPA 70: National Electric Code. National Fire Protection Association.

NFPA 70E: Electrical Safety in the Workplace. National Fire Protection Association.

Effective June 1, 2015

> This listing is not intended to be complete or representative.

Exam Information

Inspection and Testing of Water-Based Systems Exam
Level I Exam
77 questions, 110 min.
Level II Exam
69 questions, 110 min.

Fees

Inspection & Testing of Fire Alarms Systems Standard Model/CBT Application	
Level I	\$225
Level II	\$290
Base Recertification Fee (includes one subfield)	\$200
Incremental Fee (each additional subfield)	\$50





Providing Certification Programs Since 1961

States Requiring NICET

Alabama

State of Alabama, Department of Insurance Level II, III http://www.firemarshal.alabama.gov/bulletins/CFAA.pdf

Arkansas

Life and Safety Bureau Levels II, III https://dps.alaska.gov/getmedia/09084c47-c134-41ac-9062-6f2b2a49fe2b/ FSClassDefinitions2017;.aspx

Arizona

Office of the State Marshal Level II http://www.dfbls.az.gov/UserFiles/files/ofm/permits/Construction%20 Work%20and%20Inspection%20Requirements.pdf

California

California State Fire Marshal Level Not Specified http://osfm.fire.ca.gov/CODEINTERPRETATION/pdf/2004/04_001.pdf

Delaware

Examination Requirements for Fire Alarm Signaling Systems Level II https://statefiremarshal.delaware.gov/wp-content/uploads/ sites/110/2017/07/fassexamreg2017.pdf

Kansas

Office of the State Fire Marshal – Fire Prevention Division Level Not Specified http://firemarshal.ks.gov/docs/default-source/prevention/fire-facts/fire-fact-081a---maintenance-qualifications.pdf

Kentucky

State Fire Marshal – Fire Protection Systems Levels II, III, IV http://dhbc.ky.gov/sfm/Pages/FPfaq.aspx

Michigan State of Michigan Electrical Licensing/Examination Information Level II https://www.michigan.gov/documents/lara/dleg_bcc_electrical_exam_ info__354155_7.pdf





Providing Certification Programs Since 1961

States Requiring NICET - continued

Minnesota

Minnesota State Department of Public Safety *Level Not Specified* https://dps.mn.gov/divisions/sfm/document-library/Documents/Fire%20Code%20 Information%20Sheets/SystemTestingInspectionMaintenanceFactSheet.pdf

Montana

Montana Fire Protection Licensure Program *Level II* http://boards.bsd.dli.mt.gov/Portals/133/Documents/fpl/dli-bsd-fpl002. pdf?ver=2017-01-27-145941-787

Nebraska

Nebraska State Fire Marshal Level II https://sfm.nebraska.gov/code-enforcement/fire-alarm-inspector-license

Nevada

Fire Alarm Submittal Requirements *Level II* http://fire.nv.gov/uploadedFiles/firenvgov/content/bureaus/FPE/FIRE%20 ALARM%20SUBMITTAL%20REQUIREMENTS%2001162015.pdf

New Hampshire

NH Division of Fire Safety – Bureau of Building Safety and Construction Level II https://www.nh.gov/safety/divisions/firesafety/building/mechanical/fireprotection/ documents/ENDORSEMENTMATRIX.pdf

New Jersey

New Jersey Fire Protection Equipment Contractor Certification Requirements *Level II* https://www.nj.gov/dca/divisions/dfs/pdf/cont_reg.pdf

New Mexico

New Mexico State Fire Marshal's Office – Plans Review Submittal Requirements and Information

Level III

http://www.nmprc.state.nm.us/state-firemarshal/docs/2006SFMOPlansReviewGuid elines.pdf

New York (City)

Study Material for the Examination of the Certificate of Fitness for Fire Alarm Systems Inspection, Testing, and Service Technician *Level Not Specified*

http://www.nyc.gov/html/fdny/pdf/cof_study_material/s_98_study_material.pdf





Providing Certification Programs Since 1961

States Requiring NICET - continued

Ohio

4101:7-5-01 Fire Protection System Designer Certification Levels III, IV http://codes.ohio.gov/oac/4101:7-5-01v1

South Carolina

South Carolina's Contractor's Licensing Board Levels II, III https://www.llr.sc.gov/pol/contractors/index.asp?file=CLB%20How%20 to%20apply.htm

South Dakota

South Dakota Legislature Levels III, IV http://sdlegislature.gov/rules/DisplayRule.aspx?Rule=20:38:38:05

Texas

Fire Alarm License & Test Information Levels II, III https://www.tdi.texas.gov/forms/sfmfireindustry/SF229alrmguide.pdf

Utah

Utah Department of Public Safety – Fire Alarm Systems Levels I, II, III, IV https://firemarshal.utah.gov/licensing-and-certification/fire-alarm-systems/

West Virginia

West Virginia Legislature Levels III, IV http://www.wvlegislature.gov/Bill_Text_HTML/2007_SESSIONS/RS/BILLS/ hb2747%20Enr.htm

Wyoming

Rules (New) of the Wyoming Department of Fire Protection and Electrical Safety Levels III, IV http://www.wyoleg.gov/ARULES/2011/AR11-014fire.pdf

GSA Contractors

Facilities Maintence and Management

http://sws.gsa.gov/sws-search/viewSolDocument.do?method=view&solNum =NkZFQy1FNi0wMzAyOTItQg==&solRefresh=MTM=&solDoc=MDkwMDMw Mzk4MDIxMTNjNw==