



Candidate: \_\_\_\_\_

Candidate NICET ID No.: \_\_\_\_\_



### 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 my 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 projects

Governmental authority: \_\_\_\_\_

Contract supervisor for:  client, or  general 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



Candidate: \_\_\_\_\_ Verifier: \_\_\_\_\_

**NICET ENGINEERING TECHNICIAN CERTIFICATION**  
**Experience Application, Part III: Performance Verification**  
 Water-Based Systems Layout

**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 their job.

<b>Level I Performance Measures</b>		
<i>The candidate has repeatedly demonstrated an ability to:</i>		<b>Verifier's Initials</b>
0301-1101	maintain personal safety on the job site	
0301-1102	identify equipment and related materials commonly used in water-based systems layout	
0301-1103	compile information about a project and its systems into drawing(s) in preparation for water-based systems layout	
0301-1104	clean up layout drawings for supervisor review	
0301-1105	compile submittal packages for supervisor review	
0301-1106	<del>follow verbal or written instructions, obtaining information when needed</del> <b>**modified into 0301-1109</b>	<b>no longer in use</b>
0301-1107	<del>prepare simple sprinkler system layouts, including basic piping configurations (e.g. tree, loop grid, etc.) and properly space sprinklers, to meet codes, standards, and specifications</del>	<b>no longer in use</b>
0301-1108	<del>perform the hydraulic calculations for a 13D system</del>	<b>no longer in use</b>
0301-1109	communicate effectively <b>**new October 2018</b>	
0301-1110	field verify a project <b>**new October 2018</b>	

**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.

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<b>Level II Performance Measures</b>		
<b>The candidate has repeatedly demonstrated an ability to:</b>		<b>Verifier's Initials</b>
0301-3101	survey buildings and existing systems to acquire accurate information about features that could impact a fire protection system design	
0301-3102	identify types of existing water-based systems	
0301-3103	conduct and evaluate water flow tests to determine the adequacy of the water supply	
0301-3104	<del>prepare complete layouts for wet pipe and dry pipe sprinkler systems that comply with codes, standards, and project specifications</del>	<b>no longer in use</b>
0301-3105	<del>incorporate various devices in wet pipe (including antifreeze) and dry pipe sprinkler system layouts</del>	<b>no longer in use</b>
0301-3106	<del>apply design criteria related to various buildings, materials, occupancies, and hazards, to the layout of wet pipe (including antifreeze) and dry pipe sprinkler systems that meet codes, standards, and specifications</del>	<b>no longer in use</b>
0301-3107	detail a water-based system layout, including related equipment, to meet codes, standards, and specifications	
0301-3108	<del>incorporate different water supply types and their relation to system requirements</del>	<b>no longer in use</b>
0301-3109	select, locate, and place hangers on drawings to meet standards and system requirements	
0301-3110	prepare a fabrication stock list and a materials list for a system	
0301-3111	communicate with AHJs and others in a professional manner	

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<b>Level III Performance Measures</b>		
	<i>The candidate has repeatedly demonstrated an ability to:</i>	<b>Verifier's Initials</b>
0301-5101	evaluate an existing water-based system, including water supply data, for compliance with applicable NFPA standards, identify deficiencies, and recommend corrective actions	
0301-5102	identify project requirements in contract documents and apply them to the development of a system layout	
0301-5103	identify applicable listing requirements and manufacturers' recommendations and apply them to component selection and system configuration to comply with codes, standards, and project specifications	
0301-5104	<del>select, size, and lay out fire pumps and accessories to meet system requirements</del>	<b>no longer in use</b>
0301-5105	<del>correctly perform the hydraulic calculations for NFPA 13, 13D, and 13R system layouts</del>	<b>no longer in use</b>
0301-5106	<del>prepare clear and accurate responses to comments from a plan reviewer, and discuss them in a coherent manner with concerned parties</del> <b>**modified into 0301-5112</b>	<b>no longer in use</b>
0301-5107	<del>generally obtain approval of his/her system plans upon first submittal to the AHJ (with the possible exception of minor corrections)</del>	<b>no longer in use</b>
0301-5108	complete layout projects from concept through plan approval	
0301-5109	provide technical support to the installation team for their system plans	
0301-5110	<del>review system acceptance testing results, including those for fire pumps, for completeness and for indications of possible problems</del>	<b>no longer in use</b>
0301-5111	design systems cost-effectively in a timely manner <b>**new October 2018</b>	
0301-5112	communicate effectively with plan reviewer, design team, and all project stakeholders <b>**new October 2018</b>	

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<b>Level IV Performance Measures</b>		<b>Verifier's Initials</b>
<b>The candidate has repeatedly demonstrated an ability to:</b>		
0301-7101	evaluate contract documents for feasibility and potential liabilities	
0301-7102	evaluate the fire protection provided by existing systems to either a high-rise building or to an industrial facility requiring unusual design criteria or applications of standards	
0301-7103	evaluate the fire protection currently provided to an area of an existing facility which has either flammable liquid storage or high-piled storage	
0301-7104	evaluate 2 of the following 3 types of systems for the adequacy of fire protection provided to existing facilities: <ul style="list-style-type: none"> <li>• pre-action</li> <li>• foam-water</li> <li>• diesel fire pump or vertical turbine</li> </ul>	
0301-7105	evaluate the proposed water-based systems for a building in which there is complex hydraulic requirements resulting from multiple occupancies, hazard classifications, and/or water supplies	
0301-7106	during design, anticipate problems and deal with them	
0301-7107	interpret project concept and specifications for the design team	
0301-7108	identify the costs and benefits of system design options	
0301-7109	review hydraulic design to optimize system efficiency, identify errors in calculations, and suggest corrections	
0301-7110	manage a project team from concept through project completion	
0301-7111	negotiate a compromise among project stakeholders who have conflicting requirements for fire protection systems	

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