



NICET Engineering Technician Certification Program Application Package

Computer Based Testing Programs

Video Security Systems Designer



Video Security
Systems Designer

Basic Instructions

Certification candidates must submit both the General Application Package, which applies to any NICET computer-based testing program, and the Program Application Package for the specific certification that you are pursuing. See the booklet “Applying for NICET Certification” (at www.nicet.org) for more details.

Program

Part I: Work Experience Analysis

Part II: Verifier Information

- ❑ Each performance or project “Verifier” must complete a Verifier Information Form.
- ❑ Must submit with original signature – NOT photocopy or fax

Part III: Performance Verification

- ❑ Your supervisor or a person in a position to inspect or approve your work must verify all General and Specific Performance Measures listed for the certification level that you seek, and any lower levels.

Part IV: Project Verification (At each Level, multiple projects must be documented.)

- ❑ Project requirements are available at www.nicet.org. The candidate must complete “Section 1 – Project Description”. The project Verifier must complete “Section 2 – Project Verification”.
- ❑ The Verifier should be your supervisor on the project or a person in a position to inspect or approve your work on the project.

The General Package is submitted for, and applies to, any NICET certification. It is a separate download.

General

The General Package includes the following:

Part I: Statement of Application

Part II: Test Application

Part III: Work History

Part IV: Personal Recommendation

Send Program Application to:

NICET
1420 King Street
Alexandria, VA 22314

REMEMBER!

- 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.

September 2007

Candidate: _____

Last 4 digits of Social Security Number: _____



NICET PROGRAM APPLICATION

PROG-II
Verifier
Page 1 of 1

Program Application - Part II: Verifier Information

(Please print legibly or type)

Each person who verifies the above-named candidate's performance or project capabilities ("Verifier") must complete this form:

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: _____

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

From / to /
Mo. Yr. Mo. Yr.

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.

Verifier's Statement:

I certify that:

- *I understand and have carefully considered each general and specific performance and/or project that I have verified or will verify.*
- *I have not verified, and will not verify, any performance or project 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 _____

Candidate: _____

Last 4 digits of Social Security Number: _____



Verifier: _____

NICET PROGRAM APPLICATION

2702-III
Lvl I -G
Page 1 of 2

Video Security Systems Designer – Part III: Performance Verification

(Please print legibly or type)

Level I - General

Each General Performance Measure (GPM) is an aspect of quality video security systems work that should be exhibited by a designer prior to being certified at the level where it is listed, or at any higher level. Each GPM is followed by three different statements about the accuracy of that GPM as a descriptor of the candidate's work. Indicate, by checking, which one of the statements best represents your judgment of the candidate's ability related to that aspect of work (that GPM), and then sign below each GPM. DO NOT VERIFY as accurate any GPM that does not, in your best professional judgment, describe the candidate's job performance (see "Verifier's Statement" on the Verifier Information form – Program Application, Part II).

Verifier: Video Security Systems Designer Level I criteria include seven General Performance Measures. Please review these and indicate how well they reflect the candidate's on-the-job performance.

GPM 2702-1001: The candidate has repeatedly demonstrated an ability to prepare clear, accurate, and properly dimensioned and labeled system drawings, including proper title block and legend information.

I verify that, based on my personal knowledge of the candidate and my professional judgment, (check one of the following):

- this statement is accurate.
- this statement is not accurate.
- I cannot determine whether this statement is accurate.

Signature: _____

GPM 2702-1002: The candidate consistently provides plans that are orderly and complete with all drawings, lists, documentation, and permits required for either client approval or installation work.

I verify that, based on my personal knowledge of the candidate and my professional judgment, (check one of the following):

- this statement is accurate.
- this statement is not accurate.
- I cannot determine whether this statement is accurate.

Signature: _____

GPM 2702-1003: The candidate has repeatedly demonstrated an ability to design for varying and extreme lighting conditions, selecting and positioning cameras to optimize image quality and area of coverage.

I verify that, based on my personal knowledge of the candidate and my professional judgment, (check one of the following):

- this statement is accurate.
- this statement is not accurate.
- I cannot determine whether this statement is accurate.

Signature: _____

Candidate: _____

Last 4 digits of Social Security Number: _____



Verifier: _____

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Video Security Systems Designer – Part III: Performance Verification

Level I - General (Continued)

GPM 2702-1004: The candidate has repeatedly demonstrated an ability to select transmission methods to overcome physical and environmental problems and maintain signal strength and signal-to-noise ratio sufficient to optimize image quality.

I verify that, based on my personal knowledge of the candidate and my professional judgment, (check one of the following):

- this statement is accurate.
- this statement is not accurate.
- I cannot determine whether this statement is accurate.

Signature: _____

GPM 2702-1005: The candidate has repeatedly demonstrated an ability to design a video security system that constitutes a cost-effective solution that satisfies the client's security needs.

I verify that, based on my personal knowledge of the candidate and my professional judgment, (check one of the following):

- this statement is accurate.
- this statement is not accurate.
- I cannot determine whether this statement is accurate.

Signature: _____

GPM 2702-1006: The candidate has repeatedly demonstrated an ability to recognize and avoid potential legal or privacy violations.

I verify that, based on my personal knowledge of the candidate and my professional judgment, (check one of the following):

- this statement is accurate.
- this statement is not accurate.
- I cannot determine whether this statement is accurate.

Signature: _____

GPM 2702-1007: The candidate has consistently and reliably demonstrated ethical behavior on the job, consistent with the NICET Code of Ethics.

I verify that, based on my personal knowledge of the candidate and my professional judgment, (check one of the following):

- this statement is accurate.
- this statement is not accurate.
- I cannot determine whether this statement is accurate.

Signature: _____

Candidate: _____

Last 4 digits of Social Security Number: _____

Verifier: _____



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2702-III
Lvl I-S
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Video Security Systems Designer – Part III: Performance Verification

(Please print legibly or type)

Level I - Specific

Each **Specific Performance Measure (SPM)** is a definable, observable, measurable type of work product or outcome that should be accomplished by a designer prior to being certified at the level where it is listed or at any higher level. Each SPM is followed by three different statements about the accuracy of that SPM as a descriptor of the candidate's work. Indicate, by checking, which one of the statements best represents your judgment of whether the candidate has performed properly, at a minimum, the work stated in the SPM, and then sign below each SPM. **DO NOT VERIFY** any SPM that the candidate has not, to your knowledge, completed (see "Verifier's Statement" on the Verifier Information form – Program Application, Part II).

Verifier: *Video Security Systems Designer Level I criteria include five Specific Performance Measures. Please review these statements and indicate which one best reflects the candidate's work record.*

SPM 2702-2001: The candidate has selected and located 20 or more cameras within the previous year that meet the purpose and performance requirements of the client.

I verify that (check one of the following):

- the candidate has properly performed the work described above.*
- the candidate has NOT demonstrated proper performance of the work described above.*
- I cannot determine whether the candidate has properly performed the work described above.*

Signature: _____

SPM 2702-2002: The candidate has designed five or more CCTV systems with two or more control locations that meet the purpose and performance requirements of the client and the operator.

I verify that (check one of the following):

- the candidate has properly performed the work described above.*
- the candidate has NOT demonstrated proper performance of the work described above.*
- I cannot determine whether the candidate has properly performed the work described above.*

Signature: _____

SPM 2702-2003: The candidate has designed, for at least five video security systems, image storage and display that meet the purpose and performance requirements of the client.

I verify that (check one of the following):

- the candidate has properly performed the work described above.*
- the candidate has NOT demonstrated proper performance of the work described above.*
- I cannot determine whether the candidate has properly performed the work described above.*

Signature: _____

Candidate: _____

Last 4 digits of Social Security Number: _____

Verifier: _____



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Lvl I-S
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Video Security Systems Designer – Part III: Performance Verification

(Please print legibly or type)

Level I – Specific (Continued)

SPM 2702-2004: The candidate prepared five or more proposals for video security systems that were approved by company management and given to prospective clients, including at least one that was accepted by the client.

I verify that (check one of the following):

- the candidate has properly performed the work described above.*
- the candidate has NOT demonstrated proper performance of the work described above.*
- I cannot determine whether the candidate has properly performed the work described above.*

Signature: _____

SPM 2702-2005: The candidate has designed the interface between a CCTV system and a peripheral system (intercom, access control, burglar or fire alarms, or building environmental controls) to provide alarm conditions and response that meet the purpose and performance requirements of the client.

I verify that (check one of the following):

- the candidate has properly performed the work described above.*
- the candidate has NOT demonstrated proper performance of the work described above.*
- I cannot determine whether the candidate has properly performed the work described above.*

Signature: _____

Candidate: _____

Last 4 digits of Social Security Number: _____



Verifier: _____

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Lvl II-G
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Video Security Systems Designer – Part III: Performance Verification

(Please print legibly or type)

Level II - General

Each General Performance Measure (GPM) is an aspect of quality video security systems work that should be exhibited by a designer prior to being certified at the level where it is listed, or at any higher level. Each GPM is followed by three different statements about the accuracy of that GPM as a descriptor of the candidate's work. Indicate, by checking, which one of the statements best represents your judgment of the candidate's ability related to that aspect of work (that GPM), and then sign below each GPM. **DO NOT VERIFY** as accurate any GPM that does not, in your best professional judgment, describe the candidate's job performance (see "Verifier's Statement" on the Verifier Information form – Program Application, Part II).

Verifier: Video Security Systems Designer Level II criteria include three General Performance Measures. Please review these and indicate how well they reflect the candidate's on-the-job performance.

GPM 2702-3001: The candidate has repeatedly demonstrated an ability to work with the client's IT personnel to develop a complete set of IP address assignments for a video security system.

I verify that, based on my personal knowledge of the candidate and my professional judgment, (check one of the following):

- this statement is accurate.
- this statement is not accurate.
- I cannot determine whether this statement is accurate.

Signature: _____

GPM 2702-3002: The candidate has repeatedly demonstrated an ability to communicate and work with IT and telecommunications personnel to achieve the communication infrastructure, bandwidth, and integration required for the designed functions and system purposes.

I verify that, based on my personal knowledge of the candidate and my professional judgment, (check one of the following):

- this statement is accurate.
- this statement is not accurate.
- I cannot determine whether this statement is accurate.

Signature: _____

GPM 2702-3003: The candidate has repeatedly demonstrated an ability to accurately monitor labor hours and materials expended on a project.

I verify that, based on my personal knowledge of the candidate and my professional judgment, (check one of the following):

- this statement is accurate.
- this statement is not accurate.
- I cannot determine whether this statement is accurate.

Signature: _____

Candidate: _____

Last 4 digits of Social Security Number: _____



Verifier: _____

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Video Security Systems Designer – Part III: Performance Verification

(Please print legibly or type)

Level II - Specific

Each **Specific Performance Measure (SPM)** is a definable, observable, measurable type of work product or outcome that should be accomplished by a designer prior to being certified at the level where it is listed or at any higher level. Each SPM is followed by three different statements about the accuracy of that SPM as a descriptor of the candidate’s work. Indicate, by checking, which one of the statements best represents your judgment of whether the candidate has performed properly, at a minimum, the work stated in the SPM, and then sign below each SPM. **DO NOT VERIFY** any SPM that the candidate has not, to your knowledge, completed (see “Verifier’s Statement” on the Verifier Information form – Program Application, Part II).

Verifier: *Video Security Systems Designer Level II criteria include three Specific Performance Measures. Please review these statements and indicate which one best reflects the candidate’s work record.*

SPM 2702-4001: The candidate has designed a network-based video security system that utilizes a LAN for video and control communication and has met the purpose and performance requirements of the client.

I verify that (check one of the following):

- the candidate has properly performed the work described above.*
- the candidate has NOT demonstrated proper performance of the work described above.*
- I cannot determine whether the candidate has properly performed the work described above.*

Signature: _____

SPM 2702-4002: The candidate has managed three or more complete Type C system design and installation projects within schedule and budget, and met the purpose and performance requirements of the client.

I verify that (check one of the following):

- the candidate has properly performed the work described above.*
- the candidate has NOT demonstrated proper performance of the work described above.*
- I cannot determine whether the candidate has properly performed the work described above.*

Signature: _____

SPM 2702-4003: The candidate has designed a networked video security system that meets the purpose and performance requirements of the client for at least three of the following (indicate which by checking):

- | | |
|---|---|
| <input type="checkbox"/> transit facility | <input type="checkbox"/> industrial facility |
| <input type="checkbox"/> port facility | <input type="checkbox"/> office or educational campus |
| <input type="checkbox"/> hospital | <input type="checkbox"/> retail/entertainment facility with remote monitoring |
| <input type="checkbox"/> prison | <input type="checkbox"/> traffic control/monitoring |
| <input type="checkbox"/> casino | <input type="checkbox"/> system utilizing mobile cameras |
| <input type="checkbox"/> municipal facilities | <input type="checkbox"/> other: _____ |

I verify that (check one of the following):

- the candidate has properly performed the work described above.*
- the candidate has NOT demonstrated proper performance of the work described above.*
- I cannot determine whether the candidate has properly performed the work described above.*

Signature: _____



NICET PROGRAM APPLICATION

Video Security Systems Designer – Part IV: Project Verification

(Please print legibly or type)

Section 1 - Project Description (Continued)

The System: Describe any of the following equipment and technologies that were involved in this project – those selected, specified, or laid-out by you or by people working under you as a part of this project as well as your function in the design work (specification, selection, lay-out, etc.):

<p>Cameras, including types (not brands) and quantity</p> <p><u>Equipment:</u></p> <p><u>Your Function:</u></p>	<p>Transmission methods and cable types</p> <p><u>Equipment:</u></p> <p><u>Your Function:</u></p>
<p>Signal multiplexers, switches, routers, etc.</p> <p><u>Equipment:</u></p> <p><u>Your Function:</u></p>	<p>Recording devices</p> <p><u>Equipment:</u></p> <p><u>Your Function:</u></p>
<p>System interfaces/triggers/alarms</p> <p><u>Equipment:</u></p> <p><u>Your Function:</u></p>	
<p>System integration: network developed, and operating systems and communications protocols used</p> <p><u>Equipment:</u></p> <p><u>Your Function:</u></p>	

Candidate: _____ Name of Facility: _____



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Video Security Systems Designer – Part IV: Project Verification

(Please print legibly or type)

Section 2 - Project Verification

Verifier's information:

Name: _____

Your role in the project described on this form:

Your professional/business relationship with the candidate during the project:

Verifier's Statement:

I certify that:

- *I have read the candidate's project description;*
- *I am familiar with the scope and purpose of the project described on this form;*
- *I understand and can recognize proper and improper application of the equipment, connections, and transmission elements included in the design by the candidate;*
- *I understand and can recognize proper and improper system interface, network, or communications design;*
- *I understand and can recognize clear, accurate, and complete design processes and system plans appropriate to this project.*

I further certify that I have:

- *Supervised the candidate's work on this project; OR,*
- *Closely monitored the candidate's work on this project through competent and reliable intermediaries; OR,*
- *Personally inspected the completed design and related work after determining what work was performed by the candidate.*

I further certify that:

- *The description on this form accurately describes the project and the candidate's role in it.*
- *The candidate's work satisfied the objectives and requirements for this project that were within his/her responsibility.*
- *The candidate's work on this project was complete and thorough and provided the basis for a successful installation.*
- *No part of the candidate's work on this project was unsatisfactory according to my understanding of proper system design or according to the customer's expressed objectives.*

Signature: _____

Date: _____

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