NOTE ON PERFORMANCE TESTING

Performance Profile Sheet(s) are included in a format that can be easily photocopied for each trainee. This examination is designed to measure competency in the tasks taught in each module.

Please note the number of tasks to be tested while teaching each module. Each trainee should be tested on all the tasks listed on the Performance Profile Sheet(s). Before performance testing, the instructor should brief the trainees on:

- Test objectives and criteria
- Safety precautions
- Procedures for each task to be tested

The instructor administering the performance testing should also do the following:

- Ensure that all of the needed equipment is available and operating properly.
- Set up the testing stations.
- Organize and administer the test in a way that allows for optimal performance.
- Complete the Performance Profile Sheet(s) for each trainee by assigning a pass/fail score for each listed task. Also, include the testing date, and start and end times for each task in the rating boxes.
- Monitor adherence to all safety regulations and precautions.
- Provide adequate supervision to prevent injuries.
- Take immediate and effective action to remedy any emergency.

Performance Testing

If Performance Testing is done as part of NCCER's Training Program, the following conditions must be met:

1. The Craft Instructor must hold valid NCCER instructor certification.
2. The training must be delivered through an Accredited Training Sponsor recognized by NCCER.
3. The specific performance testing must be completed successfully.
4. The results of the testing must be recorded on Training Report Form 200. This form must be provided to the local Accredited Training Sponsor to be forwarded to NCCER's Registry Department.

Certified Plus Credential

Provided the sponsor is working through an NCCER-Accredited Assessment Center, candidates who successfully pass performance testing may be eligible for a Certified Plus Credential. A number of NCCER's Performance Profiles cross over to NCCER's Assessment Performance Verifications and may be completed simultaneously. Go to www.nccer.org and select the Assessments tab to locate the Performance Verifications associated with this craft.

Note that two other important conditions are required for the Certified Plus Credential:

1. Candidates must first pass the associated written assessment.
2. An NCCER-Accredited Assessment Administrator must sign off on the Performance Verification before it is submitted to NCCER.
Module One: 02101-12 has no Performance Profile Sheet; performance testing is not required for this module.
Craft: Plumbing  
Module Two: 02102-12 (1 of 2)  
Module Title: Plumbing Safety

<table>
<thead>
<tr>
<th>OBJECTIVE</th>
<th>TASK</th>
<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1. Inspect the following personal protective equipment:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Gloves</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Body harness</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Hard hat</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Safety glasses</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Safety shoes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Hearing protection</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Rating Levels:  
(1) Passed: performed task  
(2) Failed: did not perform task  
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

Certified Plus Credential: Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing for eligibility requirements, or contact NCCER for more information.
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<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>2. Put on the following personal protective equipment:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Hard hat</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Body harness</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Eye protection</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Gloves</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Hearing protection</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Safety shoes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>3. Demonstrate proper use of ladders.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>4. Inspect power tools (corded and cordless) to ensure they are safe to use.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>5. Inspect hand tools to ensure they are safe to use.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>6. Demonstrate/simulate the proper methods of lockout/tagout for energy sources.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**PERFORMANCE PROFILE SHEET**

**Craft:** Plumbing  
**Module Three:** 02103-12  
**Module Title:** Tools of the Plumbing Trade

---

**TRAINEE NAME:** ____________________________________________________________________

**TRAINING PROGRAM SPONSOR:** ______________________________________________________

____________________________________________________________________________________________

**INSTRUCTOR:** _______________________________________________________________________________

**Rating Levels:**  
(1) Passed: performed task  
(2) Failed: did not perform task  
Be sure to list the date the testing for each task was completed.

**Recognition:**  
When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

**Certified Plus Credential:**  
Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing for eligibility requirements, or contact NCCER for more information.

---

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<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Identify plumbing tools.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2. Properly use plumbing tools.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3. Demonstrate proper maintenance and storage of hand and power tools.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**PERFORMANCE PROFILE SHEET**

Craft: Plumbing  
Module Four: 02104-12  
Module Title: Introduction to Plumbing Math  

TRAINER NAME: ____________________________________________________________________

TRAINING PROGRAM SPONSOR: ______________________________________________________

____________________________________________________________________________________________

INSTRUCTOR: _______________________________________________________________________________

**Rating Levels:**  (1) Passed: performed task  (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

**Recognition:**  When testing for the NCCER Training Program, record performance testing results on
Training Report Form 200, and submit the results to your Training Program Sponsor.

**Certified Plus Credential:**  Trainees who successfully complete these performance tasks may be eligible for
a Certified Plus Credential. Refer to the Note on Performance Testing for eligibility
requirements, or contact NCCER for more information.

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<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>1. Measure pipe using the following methods:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• End-to-end</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• End-to-center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Center-to-center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• End-to-face</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Face-to-face</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Face-to-throat</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>2. Determine end-to-end dimensions by figuring fitting allowances and thread makeup.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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PLUMBING LEVEL ONE — MODULE 02104-12 PERFORMANCE PROFILE
## Performance Profile Sheet

**Craft:** Plumbing  
**Module Five:** 02105-12  
**Module Title:** Introduction to Plumbing Drawings

### Trainee Name:

### Training Program Sponsor:

### Instructor:

#### Rating Levels:

(1) Passed: performed task  
(2) Failed: did not perform task  
Be sure to list the date the testing for each task was completed.

#### Recognition:

When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

#### Certified Plus Credential:

Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing for eligibility requirements, or contact NCCER for more information.

<table>
<thead>
<tr>
<th>Objective</th>
<th>Task</th>
<th>Rating</th>
<th>Date</th>
<th>Start Time</th>
<th>End Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>1. Sketch an orthographic and isometric drawing.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**PERFORMANCE PROFILE SHEET**

**Craft: Plumbing**  
**Module Six: 02106-12**  
**Module Title: Plastic Pipe and Fittings**

---

**TRAINEE NAME:** ________________________________

**TRAINING PROGRAM SPONSOR:** _____________________________

---

**INSTRUCTOR:** ________________________________

---

**Rating Levels:**  
(1) Passed: performed task  
(2) Failed: did not perform task  
Be sure to list the date the testing for each task was completed.

**Recognition:**  
When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

**Certified Plus Credential:**  
Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing for eligibility requirements, or contact NCCER for more information.

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<table>
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<tr>
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<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Select correct types of materials for plastic piping systems.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2. Identify types of fittings and valves and their uses.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>3. Select the appropriate personal protective equipment for working with plastic piping.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>4. Properly measure, cut, and join plastic piping.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>5. Select the correct support and spacing for the application.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

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PLUMBING LEVEL ONE — MODULE 02107-12 PERFORMANCE PROFILE
# Performance Profile Sheet

**Craft:** Plumbing  
**Module Eight:** 02108-12  
**Module Title:** Cast-Iron Pipe and Fittings

---

**Trainee Name:**  
**Training Program Sponsor:**  
**Instructor:**

---

**Rating Levels:**  
1. Passed: performed task  
2. Failed: did not perform task  

Be sure to list the date the testing for each task was completed.

**Recognition:**  
When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

**Certified Plus Credential:**  
Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing for eligibility requirements, or contact NCCER for more information.

---

## Objective Task Rating Date Start Time End Time

<table>
<thead>
<tr>
<th>Objective</th>
<th>Task</th>
<th>Rating</th>
<th>Date</th>
<th>Start Time</th>
<th>End Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Select correct types of materials for cast-iron piping systems.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Identify types of fittings and their uses.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3. Select the appropriate personal protective equipment for cast-iron piping.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4. Correctly measure, cut, and join cast-iron pipe.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>5. Select the correct hanger or support and spacing for the application.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

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*PLUMBING LEVEL ONE — MODULE 02108-12 PERFORMANCE PROFILE*
**Performance Profile Sheet**

Craft: Plumbing  
Module Nine: 02109-12  
Module Title: Steel Pipe and Fittings

**TRAINEE NAME:** ____________________________________________________________________

**TRAINING PROGRAM SPONSOR:** ______________________________________________________
____________________________________________________________________________________________

**INSTRUCTOR:** _______________________________________________________________________________  

**Rating Levels:**  
(1) Passed: performed task  
(2) Failed: did not perform task  
Be sure to list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

**Certified Plus Credential:** Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing for eligibility requirements, or contact NCCER for more information.

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<thead>
<tr>
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<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Identify the common types of materials, schedules, sizes, and labels used for steel piping.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2. Identify the common fittings and valves used with steel piping.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>3. Properly measure, cut, and join steel piping.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>4. Identify the hazards and safety precautions associated with steel piping.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>5. Identify the various techniques used in hanging and supporting steel piping.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Craft: Plumbing
Module Ten: 02110-12
Module Title: Introduction to Plumbing Fixtures

TRAINEE NAME: ____________________________________________________________________

TRAINING PROGRAM SPONSOR: ______________________________________________________
____________________________________________________________________________________________

INSTRUCTOR: _______________________________________________________________________________

Rating Levels: (1) Passed: performed task  (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results on
Training Report Form 200, and submit the results to your Training Program Sponsor.

Certified Plus Credential: Trainees who successfully complete these performance tasks may be eligible for
a Certified Plus Credential. Refer to the Note on Performance Testing for eligibility
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<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>2–6</td>
<td>1. Identify the most commonly installed fixtures and appliances.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**PERFORMANCE PROFILE SHEET**

Craft: Plumbing  
Module Eleven: 02111-12  
Module Title: Introduction to Drain, Waste, and Vent (DWV) Systems

| TRAINEE NAME: |  
| TRAINING PROGRAM SPONSOR: |  
| INSTRUCTOR: |  

**Objective**  
2. Sketch an isometric drawing of a simple DWV system and label its components.

**Rating Levels:**  
(1) Passed: performed task  
(2) Failed: did not perform task

**Recognition:** When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

**Certified Plus Credential:** Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing for eligibility requirements, or contact NCCER for more information.

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<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1. Sketch an isometric drawing of a simple DWV system and label its components.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Objective**

<table>
<thead>
<tr>
<th>TASK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sketch an isometric drawing of a simple water distribution system and label its components.</td>
</tr>
</tbody>
</table>

**Rating Levels:**  (1) Passed: performed task  (2) Failed: did not perform task

Be sure to list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

**Certified Plus Credential:** Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing for eligibility requirements, or contact NCCER for more information.