**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. 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.

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**Performance Testing**

If Performance Testing is done as part of the NCCER Standardized Craft 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 and submitted to the local Accredited Training Sponsor for approval through NCCER’s Registry system.

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**Certified Plus Credential**

If 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. 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.
<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>2</td>
<td>1. Assuming an insulation thickness of 2 inches (5 cm) determine the number of courses of block, the number of lags for given vessel.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2. Insulate the sidewall of a vessel using lags, curved segments, or scored block.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3. Insulate the head of a vessel.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# PERFORMANCE PROFILE SHEET

**Craft:** Mechanical Insulating  
**Module Two:** 19312  
**Module Title:** Sheet-Metal Lagging

<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. Flash a top-to-top lagging juncture.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2. Flash a lagging inside vertical corner.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>3. Flash a sidewall lagging offset detail.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>4. Install sheet-metal lagging to supports.</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 and submit them to your Training Program Sponsor through the Registry System.
## Performance Profile Sheet

**Craft:** Mechanical Insulating  
**Module Three:** 19313  
**Module Title:** Jacketing Systems

### 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 and submit them to your Training Program Sponsor through the Registry System.

<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. Install a protective jacket on insulated ductwork.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2. Install a vapor retarder jacket on insulated piping.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>3. Install a laminated jacket on an insulated vessel sidewall.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>4. Apply PVC jacketing to a straight run of piping using an adhesive and nylon bands.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>5. Apply PVC jacket to a 90-degree elbow, a tee, and an end cap.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# PERFORMANCE PROFILE SHEET

Craft: Mechanical Insulating  
Module Four: 19310  
Module Title: Jacketing Fabrication - 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 and submit them to your Training Program Sponsor through the Registry System.

<table>
<thead>
<tr>
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<th>RATING</th>
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<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1. Properly cut, roll, and apply aluminum jacket to a straight run of pipe.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2. Properly apply two-piece metal jacket to an insulated elbow.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3. Lay out a gored metal jacket for an insulated pipe elbow. Cut the gores, apply the proper beading and crimping, and install.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>4. Properly lay out, cut, and apply metal jacket to an insulated piping tee.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>5. Properly lay out, cut, and apply a flat metal end cap.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>6. Properly lay out, cut, and apply a coned metal end cap.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Performance Profile Sheet

**Craft:** Mechanical Insulating  
**Module Five:** 19311  
**Module Title:** Jacketing Fabrication - Vessels and Equipment  

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### Trainee Name:

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### Training Program Sponsor:

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### Instructor:

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**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 and submit them to your Training Program Sponsor through the Registry System.

---

<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>2</td>
<td>1. Install roll-type jacketing on a vessel using screws or bands for securement.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2. Install sheet jacketing on a vessel using screws or bands.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3. Lay out and install gores on a vessel head.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## PERFORMANCE PROFILE SHEET

**Craft:** Mechanical Insulating  
**Module Six:** 19314  
**Module Title:** Removable and Reusable Flexible Insulation Covers

<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. Fabricate a removable and reusable flexible insulation cover for a flange using an insulating materials kit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2. Install a field-fabricated removable and reusable flexible insulation cover on a flange.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Module Seven: 19308 has no Performance Profile Sheet; performance testing is not required for this module.
**Objective Task Rating Sheet**

**Craft:** Mechanical Insulating  
**Module Eight:** 46101  
**Module Title:** Fundamentals of Crew Leadership

<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. Develop and present a look-ahead schedule.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2. Develop an estimate for a given work activity.</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 and submit them to your Training Program Sponsor through the Registry System.