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.
### PERFORMANCE PROFILE SHEET

**Craft:** Power Line Worker Level 3: Substation  
**Module One:** 40308-09  
**Module Title:** Temporary Grounding

---

**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>4</td>
<td>1. Apply temporary grounding for a given application using the correct PPE, tools, and parts.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>2. Demonstrate inspection and storage of temporary grounding components.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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POWER LINE WORKER LEVEL THREE: SUBSTATION — MODULE 40308-09 PERFORMANCE PROFILE
# Performance Profile Sheet

Craft: **Power Line Worker Level Three: Substation**

Module Two: **82301-12**

Module Title: **Advanced Drawing Reading**

---

**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>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1. Identify three specific components on a schematic diagram provided by the instructor.</td>
</tr>
<tr>
<td></td>
<td>2. Locate the types and placement of equipment according to a general arrangement drawing provided by the instructor.</td>
</tr>
</tbody>
</table>

---

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**Objective**

<table>
<thead>
<tr>
<th>Objective</th>
<th>Task</th>
<th>Rating</th>
<th>Date</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Create a step-by-step plan for the installation of a transformer.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3, 5, and 6</td>
<td>Locate instructor-requested information in an installation manual for at least one of the following components:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Disconnect switches</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Circuit breakers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Capacitor banks</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Reactors</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Craft: Power Line Worker Level Three: Substation
Module Four: 82303-12
Module Title: Control House

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>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,4</td>
<td>1. Lay out a control or relay panel.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2. Build a DC circuit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Performance Profile Sheet**

Craft: Power Line Worker Level Three: Substation

Module Five: 82304-12

Module Title: Connectors, Conductor Terminations, and Splices

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**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>Start Time</th>
<th>End Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1. Properly make a medium/high-voltage cable termination or splice with a termination kit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>2. Test a termination or splice with a hi-pot.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>3. Use a hydraulic press (greater than 15 tons) on a connector.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Perform the following tasks on a battery:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Confirm the battery voltage readings.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Confirm cell voltage readings.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Record the specific gravity reading.</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>• Adjust the electrolyte.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Clean and neutralize the battery casing.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Adjust the battery charger.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*continued*
<table>
<thead>
<tr>
<th>OBJECTIVE</th>
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<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2. Perform the following tasks on disconnects, switches, or circuit switchers:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Clean and lubricate.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Exercise the switch.</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>• Adjust for proper engagement of the contact surfaces.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Perform a DLRO test.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>3. Perform the following tasks on a capacitor, capacitor bank, or reactor:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Check capacitance value.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Check the integrity of the reactors.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>4. Perform the following tasks on a circuit breaker:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Make control cabinet measurements and checks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Perform a DLRO test.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Perform a dielectric test.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Objective 3**

1. Draw a basic trip and close circuit.

**Objective 2**

2. Identify the components used in system protection and control.
## Objective 7

1. Develop an estimate for a given work activity. (Section Four)

## Objective 8

2. Develop and present a look ahead-schedule. (Section Four)