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 for each task in the rating box.
- 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 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. For every module, the specific performance testing must be completed to the satisfaction of the instructor.
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 the NCCER National Registry.

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 26401-14 has no Performance Profile Sheet; no performance testing is required for this module.
Module 26402-14 has no Performance Profile Sheet; no performance testing is required for this module.
Module 26403-14 has no Performance Profile Sheet; no performance testing is required for this module.
**Objective** | **TASK** | **RATING**
---|---|---
4 | 1. Test a transistor to determine whether it is an NPN or PNP. | 
8 | 2. Identify the cathode on three different styles of SCRs, using the shape or markings for identification. | 

When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.
**Objective** | **TASK** | **RATING**
--- | --- | ---
4 | 1. Connect selected fire alarm system(s). |
Craft: Electrical
Module Number: 26406-14
Module Title: Specialty Transformers

<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1. Identify various specialty transformers.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>2. Using a clamp-on ammeter, demonstrate the principles of a current transformer. Identify the primary winding, then calculate and measure the effects of increasing the number of turns (loops) in the primary winding.</td>
<td></td>
</tr>
</tbody>
</table>
### Objective | TASK |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3. Connect a buck-and-boost transformer to a single-phase circuit so that it will first be in the boost mode, and then in the buck mode. Record the voltage increase and decrease for each configuration.</td>
</tr>
</tbody>
</table>
Craft: Electrical
Module Number: 26407-14
Module Title: Advanced Controls

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

Recognition:
When testing for the NCCER Standardized Craft Training Program,
be sure to record Performance testing results on Training Report Form 200, and submit the results to the 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 of this Performance Profile for eligibility requirements, or contact NCCER for more information.

<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 2, 3</td>
<td>1. Identify and connect various control devices.</td>
<td></td>
</tr>
</tbody>
</table>
## PERFORMANCE PROFILE SHEET

Craft: Electrical  
Module Number: 26408-14  
Module Title: HVAC Controls

<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>1. Identify various types of thermostats and explain their operation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and uses.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>2. Install a conventional 24V bimetal thermostat and hook it up using</td>
<td></td>
</tr>
<tr>
<td></td>
<td>the standard coding system for thermostat wiring.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>3. Check and adjust a thermostat, including the heat anticipator</td>
<td></td>
</tr>
<tr>
<td></td>
<td>setting and indicator adjustment.</td>
<td></td>
</tr>
</tbody>
</table>

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

Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the 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 of this Performance Profile for eligibility requirements, or contact NCCER for more information.
Objective | TASK | RATING
--- | --- | ---
2 | 1. Prepare and connect heat tracing cable in a power connection box or splice box. |
Module 26410-14 has no Performance Profile Sheet; no performance testing is required for this module.
Craft: Electrical

Module Number: 26411-14

Module Title: Medium-Voltage Terminations/Splices

<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>2, 3</td>
<td>1. Prepare a cable and complete a splice or stress cone.</td>
<td></td>
</tr>
</tbody>
</table>

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

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the 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 of this Performance Profile for eligibility requirements, or contact NCCER for more information.
Module 26412-14 has no Performance Profile Sheet; no performance testing is required for this module.
Performance Profile Sheet

Craft: Electrical
Module Number: 46101-11
Module Title: Fundamentals of Crew Leadership

Trainee Name: _____________________________________________________________

Trainee Social Security Number: _____________________________________________

Class: ___________________________________________________________________

Training Program Sponsor: _________________________________________________
____________________________________________________________________________

Instructor: _________________________________________________________________

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

Recognition:
When testing for the NCCER Standardized Craft Training Program,
be sure to record Performance testing results on Training Report Form 200, and submit the results to the 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 of this Performance Profile for eligibility requirements, or contact NCCER for more information.

<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>1. Develop and present a look-ahead schedule.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>2. Develop an estimate for a given work activity.</td>
<td></td>
</tr>
</tbody>
</table>

Copyright © 2014 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.