

## **NOTE ON PERFORMANCE TESTING**

Performance Profile Sheet(s) are included in a format that can be easily photocopied for each trainee. Performance tests are 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 National Center for Construction Education and Research Standardized Craft Training Program, the following conditions must be met:

1. The Craft Instructor must hold valid NCCER instructor certification for the craft being tested.
2. The training must be delivered through a 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 the Training Report Form 200. This form must be provided to the local Accredited Training Sponsor to be forwarded to the NCCER National Registry.



**Module 15301-08 has no Performance Profile Sheet;  
no performance testing is required for this module.**

**Craft: Millwright**

**Module Number: 15302-08**

**Module Title: Precision Measuring Tools**



Contren® Learning Series

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 Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Use levels.	
2	2. Use calipers.	
3	3. Use micrometers.	
4	4. Use dial indicators.	

continued

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**Craft: Millwright**

**Module Number: 15302-08**

**Module Title: Precision Measuring Tools**



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Objective	TASK	RATING
5	5. Use universal bevel protractors.	
6	6. Use gauge blocks.	
7	7. Use speed measurement tools.	
8	8. Use pyrometers.	

**Craft: Millwright**

**Module Number: 15303-08**

**Module Title: Installing Packing**



Contren® Learning Series

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 Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Identify the types of packing.	
2	2. Identify packing materials.	
3	3. Remove packing.	
4	4. Install compression packing.	
4	5. Install lip-type packing.	

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**Craft: Millwright**

**Module Number: 15304-08**

**Module Title: Installing Seals**



Contren® Learning Series

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 Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

<b>Objective</b>	<b>TASK</b>	<b>RATING</b>
1	1. Identify seals and seal materials.	
3	2. Remove and install seals.	

**Craft: Millwright**

**Module Number: 15305-08**

**Module Title: Installing Mechanical Seals**



Contren® Learning Series

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 Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Identify types of mechanical seals.	
3	2. Remove, inspect, and install mechanical seals.	



**Craft: Millwright**

**Module Number: 15306-08**

**Module Title: Removing and Installing Bearings**



Contren® Learning Series

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 Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
3	1. Remove a defective bearing using manual pullers and/or a press.	
5	2. Install a new bearing by heating the bearing or applying pressure.	
6	3. Install a pillow block bearing.	

**Craft: Millwright**

**Module Number: 15307-08**

**Module Title: Couplings**



Contren® Learning Series

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 Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Identify and explain coupling types.	
2	2. Install an interference coupling.	
2	3. Install a slip-fit coupling.	
3	4. Remove couplings using either the manual or hydraulic method.	

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**Craft: Millwright**

**Module Number: 15308-08**

**Module Title: Fabricating Shims**



Contren® Learning Series

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 Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

<b>Objective</b>	<b>TASK</b>	<b>RATING</b>
1	1. Identify types of shim stock.	
2	2. Identify shim materials.	
3	3. Fabricate shims.	

**Craft: Millwright**

**Module Number: 15309-08**

**Module Title: Alignment Fixtures and Specialty Jigs**



Contren® Learning Series

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 Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Identify types of jigs.	
2	2. Fabricate one or more of the following:	
	• Angle iron jig	
	• Chain jig	

continued

**Craft: Millwright**

**Module Number: 15309-08**

**Module Title: Alignment Fixtures and Specialty Jigs**



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Objective	TASK	RATING
	<ul style="list-style-type: none"> <li>• Christmas tree jig</li> </ul>	
	<ul style="list-style-type: none"> <li>• Piano wire jig</li> </ul>	
3	3. Set up three or more of the following:	
	<ul style="list-style-type: none"> <li>• Angle iron jig</li> </ul>	
	<ul style="list-style-type: none"> <li>• Chain jig</li> </ul>	
	<ul style="list-style-type: none"> <li>• Complex reverse-indicator jig</li> </ul>	
	<ul style="list-style-type: none"> <li>• Christmas tree jig</li> </ul>	
	<ul style="list-style-type: none"> <li>• Piano wire jig</li> </ul>	

**Craft: Millwright**

**Module Number: 15310-08**

**Module Title: Prealignment for Equipment Installation**



Contren® Learning Series

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 Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Inspect equipment.	
2	2. Install couplings, using either the key and setscrew or the tapered shaft and locking nut method.	
3	3. Set STAT equipment.	
4	4. Set MTBM equipment.	

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**Craft: Millwright**

**Module Number: 15311-08**

**Module Title: Installing Belt and Chain Drives**



Contren® Learning Series

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 Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Identify belt drive types.	
2	2. Install belt drives.	
3	3. Identify chain drive types.	
4	4. Install chain drives.	

**Craft: Millwright**

**Module Number: 15312-08**

**Module Title: Installing Fans and Blowers**



Contren® Learning Series

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 Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Identify types of fans.	
1	2. Identify centrifugal fan wheel types.	
3	3. Identify types of blowers.	