

## **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 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 on the Registration of Training Modules Form. This form must be provided to the local Accredited Training Sponsor to be forwarded to the NCCER Registry.

**Craft:** Instrumentation Level 2  
**Module:** Module One, 12110-15  
**Module Title:** Temperature, Pressure, Level, and Flow



TRAINEE NAME: \_\_\_\_\_

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 Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

| OBJECTIVE  | TASK  | RATING | DATE | START TIME | END TIME |
|------------|---|--------|------|------------|----------|
| 1, 2, 3, 4 | Identify specific measurement devices, state the variable that each device measures, and describe the principles of operation for each selected device. |        |      |            |          |

**Module 12301-15 has no Performance Profile Sheet;  
no performance testing is required for this module.**

**Craft:** Instrumentation Level 2  
**Module:** Module Three, 12202-15  
**Module Title:** Instrument Drawings and Documents, Part Two



TRAINEE NAME: \_\_\_\_\_

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 Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

| OBJECTIVE | TASK  | RATING | DATE | START TIME | END TIME |
|-----------|---|--------|------|------------|----------|
| 1, 2      | Trace the circuit flow on a one-line diagram.     |        |      |            |          |
| 1, 3      | Read and interpret an electrical raceway drawing. |        |      |            |          |
| 1, 4      | Read and interpret a loop sheet.                  |        |      |            |          |

**Craft:** Instrumentation Level 2  
**Module:** Module Four, 33205-10  
**Module Title:** Test Equipment



TRAINEE NAME: \_\_\_\_\_

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 Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

| OBJECTIVE | TASK  | RATING | DATE | START TIME | END TIME |
|-----------|---|--------|------|------------|----------|
| 1         | Measure AC/DC voltage, current, and resistance using a multimeter.  |        |      |            |          |
| 5         | Set up and use selected cable testers to check out cables and evaluate the performance of copper and optical fiber cable. |        |      |            |          |

**Craft:** Instrumentation Level 2  
**Module:** Module Five, 12212-15  
**Module Title:** Panel-Mounted Instruments



TRAINEE NAME: \_\_\_\_\_

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 Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

| OBJECTIVE | TASK                              | RATING | DATE | START TIME | END TIME |
|-----------|-----------------------------------|--------|------|------------|----------|
| 1, 2      | Lay out an instrument panel.      |        |      |            |          |
| 2         | Install an instrument in a panel. |        |      |            |          |

**Craft:** Instrumentation Level 2  
**Module:** Module Six, 12213-15  
**Module Title:** Installing Field-Mounted Instruments



TRAINEE NAME: \_\_\_\_\_

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 Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

| OBJECTIVE | TASK  | RATING | DATE | START TIME | END TIME |
|-----------|---|--------|------|------------|----------|
| 2         | Using a P&ID, properly orient an orifice plate between two pipe flanges and identify the direction of flow. |        |      |            |          |
| 4         | Assemble and install a thermocouple in a thermowell into a section of process piping.                       |        |      |            |          |
| 5         | Match the appropriate manifold to a differential-pressure device and make the necessary piping connections. |        |      |            |          |
| 5         | Identify selected pipe flange facings.  |        |      |            |          |

**Craft:** Instrumentation Level 2  
**Module:** Module Seven, 12214-15  
**Module Title:** Raceways for Instrumentation



TRAINEE NAME: \_\_\_\_\_

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 Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

| OBJECTIVE | TASK  | RATING | DATE | START TIME | END TIME |
|-----------|---|--------|------|------------|----------|
| 1, 2      | Cut, thread, and ream conduit.  |        |      |            |          |
| 1, 2, 3   | Connect and support conduit to a box or device using liquidtight flexible metal conduit and fittings. |        |      |            |          |



**Craft:** Instrumentation Level 2  
**Module:** Module Eight, 12303-15  
**Module Title:** Clean, Purge, and Test Tubing and Piping Systems



TRAINEE NAME: \_\_\_\_\_

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 Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

| OBJECTIVE | TASK  | RATING | DATE | START TIME | END TIME |
|-----------|---|--------|------|------------|----------|
| 2         | Set up and perform a pneumatic or hydrostatic leak test.  |        |      |            |          |
| 2         | Inspect the tested system to verify the absence of leaks. |        |      |            |          |
| 2         | Document the results of the leak test.                    |        |      |            |          |

**Craft:** Instrumentation Level 2  
**Module:** Module Nine, 12308-15  
**Module Title:** Protective Measures for Instrumentation



TRAINEE NAME: \_\_\_\_\_

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 Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

| OBJECTIVE | TASK  | RATING | DATE | START TIME | END TIME |
|-----------|---|--------|------|------------|----------|
| 1         | Install electric heat tracing on a short section of piping.   |        |      |            |          |
| 1         | Install electric heat tracing on a control valve.   |        |      |            |          |
| 2         | Install a section of steam tracing according to a set of instructor-provided specifications.                                      |        |      |            |          |
| 3         | Perform a blowdown on a transmitter, following specific sequences to open and close the manifold valve to protect the instrument. |        |      |            |          |

**Craft:** Instrumentation Level 2  
**Module:** Module Ten, 12302-15  
**Module Title:** Layout and Installation of Tubing and Piping Systems



TRAINEE NAME: \_\_\_\_\_

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 Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

| OBJECTIVE | TASK  | RATING | DATE | START TIME | END TIME |
|-----------|---|--------|------|------------|----------|
| 1         | Given a set of instructor-provided drawings, create a bill of materials for the installation of the instrument and its process connections. |        |      |            |          |
| 1, 2      | Measure, bend, and install tubing according to the drawings used for Performance Task 1.  |        |      |            |          |
| 1, 3      | Indicate the types and locations of support needed for the tubing installation shown in the drawings used in Performance Task 1.            |        |      |            |          |

**Craft:** Instrumentation Level 2  
**Module:** Module Eleven, 12210-15  
**Module Title:** Instrument Air Filters, Regulators, and Dryers



TRAINEE NAME: \_\_\_\_\_

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 Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

| OBJECTIVE | TASK   | RATING | DATE | START TIME | END TIME |
|-----------|--|--------|------|------------|----------|
| 1         | Identify the components of filters and regulators.     |        |      |            |          |
| 2         | Select the appropriate filter for a given application. |        |      |            |          |
| 3         | Disassemble and reassemble a pressure regulator.       |        |      |            |          |
| 4         | Select the appropriate dryer for a given application.  |        |      |            |          |