

## **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.

**Module 29101-15 has no Performance Profile Sheet;  
no performance testing is required for this module.**

**Craft:** Welding Level 1  
**Module:** Module Two, 29102-15  
**Module Title:** Oxyfuel Cutting



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

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on Registration of Training Modules Form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
3	Set up oxyfuel cutting equipment				
3	Light and adjust an oxyfuel torch.				
3	Shut down oxyfuel cutting equipment.				
3	Disassemble oxyfuel cutting equipment.				
3	Change empty gas cylinders.				
4	Cut shapes from various thicknesses of steel, emphasizing: straight line cutting, square shape cutting, piercing, beveling, and cutting slots.				
4	Perform washing.				
4	Perform gouging.				
4	Use a track burner to cut straight lines and bevels				

**Craft:** Welding Level 1  
**Module:** Module Three, 29103-15  
**Module Title:** Plasma Arc Cutting



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

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on 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	Set up plasma arc cutting equipment.				
2,3	Set the amperage and gas pressures or flow rates for the type and thickness of metal to be cut using plasma arc equipment.				
3	Square-cut metal using plasma arc equipment.				
3	Bevel-cut metal using plasma arc equipment.				
3	Pierce and cut slots in metal using plasma arc equipment.				
3	Dismantle and store the equipment.				

**Craft:** Welding Level 1  
**Module:** Module Four, 29104-15  
**Module Title:** Air-Carbon Arc Cutting and Gouging



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

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on Registration of Training Modules Form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1,2	Select and install air-carbon arc cutting electrodes.				
2	Prepare the work area and air-carbon arc cutting equipment for safe operation.				
2	Use air-carbon arc cutting equipment for washing.				
2	Use air-carbon arc cutting equipment for gouging.				
2	Perform storage and housekeeping activities for air-carbon arc cutting equipment.				

**Craft:** Welding Level 1  
**Module:** Module Five, 29105-15  
**Module Title:** Base Metal Preparation



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

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on Registration of Training Modules Form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1,3	Mechanically or hand grind a bevel on the edge of a 1/4" to 3/4" thick mild steel plate (6 to 20 mm metric plate) at 22-1/2 degrees.				
1,3	Thermally bevel the edge of a 1/4" to 3/4" thick mild steel plate (6 to 20 mm metric plate) at 22-1/2 degrees.				

**Craft:** Welding Level 1  
**Module:** Module Six, 29106-15  
**Module Title:** Weld Quality



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

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on Registration of Training Modules Form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2,3	Perform a visual inspection (VT) on a fillet and/or groove weld and complete an inspection report.				

**Craft:**            **Welding Level 1**  
**Module:**        **Module Seven, 29107-15**  
**Module Title:** **SMAW – Equipment and Setup**



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

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

**Recognition:**     When testing for the NCCER Training Program, be sure to record Performance testing results on Registration of Training Modules Form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2,3	Set up a machine for SMAW.				



**Module 29108-15 has no Performance Profile Sheet;  
no performance testing is required for this module.**

**Craft:** Welding Level 1  
**Module:** Module Nine, 29109-15  
**Module Title:** SMAW – Beads and Fillet Welds



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

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on Registration of Training Modules Form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	Set up welding equipment.				
1	Strike an arc.				
2	Make stringer, weave, and overlapping beads using E6010 and E7018 electrodes.				
2	Make corner welds on an angle iron section end welded to a plate coupon.				
2	Make fillet welds using E6010 and E7018 electrodes in the specified positions:				
2	Flat (1F)				
2	Horizontal (2F)				
2	Vertical (3F)				
2	Overhead (4F)				

**Craft:** Welding Level 1  
**Module:** Module Ten, 29110-15  
**Module Title:** Joint Fit-Up and Alignment



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

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on Registration of Training Modules Form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1,2	Fit up joints using plate and pipe fit-up tools.				
1,2	Check the joint for proper fit-up and alignment using gauges and measuring devices.				

**Craft:** Welding Level 1  
**Module:** Module Eleven, 29111-15  
**Module Title:** SMAW – Groove Welds with Backing



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

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on Registration of Training Modules Form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Safely set up arc welding equipment for making groove welds.				
2	Make flat welds with backing on V-groove joints using E7018 electrodes.				
2	Make horizontal welds with backing on V-groove joints using E7018 electrodes.				
2	Make vertical welds with backing on V-groove joints using E7018 electrodes.				
2	Make overhead welds with backing on V-groove joints using E7018 electrodes.				

**Craft:** Welding Level 1  
**Module:** Module Twelve, 29112-15  
**Module Title:** SMAW – Open-Root Groove Welds – Plate



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

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on Registration of Training Modules Form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Make open V-groove welds with E6010 and E7018 electrodes in the following positions:				
2	Flat (1G) position				
2	Horizontal (2G) position				
2	Vertical (3G) position				
2	Overhead (4G) position				