

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

Craft: Maritime Aluminum Welding
Module: Module Two, 29103
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: Maritime Aluminum Welding
Module: Module Three, 29105
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: Maritime Aluminum Welding
Module: Module Four, 29106
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: Maritime Aluminum Welding
Module: Module Five, 29110
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: Maritime Aluminum Welding
Module: Module Six, 29201
Module Title: Welding Symbols



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 the Registration of Modules Training form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1d	Identify and interpret welding symbols on an instructor-provided drawing.				

Craft: Maritime Aluminum Welding
Module: Module Seven, 29202
Module Title: Reading Welding Detail Drawings



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 the Registration of Modules Training form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1b, 2b	Draw or sketch a welding drawing based on an instructor-provided image or object.				

**Module 29203 has no Performance Profile Sheet;
no performance testing is required for this module.**

Craft: Maritime Aluminum Welding
Module: Module Nine, 29204
Module Title: Preheating and Postheating of Metals



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 the Registration of Modules Training form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2b	Preheat base metal to 350°F (177°C) and verify preheat using a temperature-indicating device.				

Craft: Maritime Aluminum Welding
Module: Module Ten, 29205
Module Title: GMAW and FCAW – Equipment and Filler Metals



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 the Registration of Modules Training form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1a, 2g, 3b	Set up GMAW and FCAW equipment with appropriate shielding gases and filler metals.				

Craft: Maritime Aluminum Welding
Module: Module Eleven, 29207
Module Title: GTAW – Equipment and Filler Metals



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 the Registration of Modules Training form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
3a	Select a GTAW shielding gas.				
3c	Select a GTAW filler metal.				
3b	Connect the shielding gas and set the flow rate.				
3c	Select and prepare the tungsten electrode.				
1b, 2e	Break down and reassemble a GTAW torch.				

Craft: Maritime Aluminum Welding
Module: Module Twelve, 29401
Module Title: GMAW – Aluminum Plate



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	Complete the following GMAW aluminum-plate welding tasks:				
2	• Stringer beads				
2	• Weave beads				
2	• Weld terminations				
2	• Weld restarts				
2	• Overlapping beads				
2	Complete GMAW fillet welds on aluminum plate in the following positions:				
2	• 1F				
2	• 2F				
2	• 3F				
2	• 4F				
2	Complete GMAW V-groove welds on aluminum plate with backing in the following positions:				
2	• 1G				
2	• 2G				
2	• 3G				
2	• 4G				

Craft: Maritime Aluminum Welding
Module: Module Thirteen, 29402
Module Title: GTAW – Aluminum Plate



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	Weld a pad on aluminum plate in the flat position using GTAW stringer and weave beads.				
1	• 1F				
1	• 2F				
1	• 3F				
1	• 4F				
1	Make multiple-pass GTAW V-groove welds with backing on aluminum plate in the following positions:				
1	• 1G				
1	• 2G				
1	• 3G				
1	• 4G				

Craft: Maritime Aluminum Welding
Module: Module Fourteen, 29403
Module Title: GTAW – Aluminum Pipe



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	Make GTAW modified U-groove welds on aluminum pipe in the following positions:				
1	• 2G				
1	• 5G				
1	• 6G				

Craft: Maritime Aluminum Welding
Module: Module Fifteen, 29404
Module Title: GMAW – Aluminum Pipe



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	Make GMAW V-groove welds on aluminum pipe with backing in the following positions:				
1	• 2G				
1	• 5G				
1	• 6G				