



# Information Guide for Welder Test 7A, 8A & 13A

Test Numbers: 4494, 4495, 4496

Human Resources  
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## **Introduction**

The 4494 Welder Test 7A, 4495 Welder Test 8A and 4496 Welder Test 13A are a series of performance tests designed to cover the welding skills necessary to perform the job. This Guide contains strategies to use for taking tests and a brief description of the tasks you will be asked to perform.

### **Test Session**

It is important that you follow the directions of the Test Administrator exactly. If you have any questions about the testing session, be sure to ask the Test Administrator before the testing begins. During testing, you may **NOT** leave the room, talk, smoke, eat, or drink. Since some tests take several hours, you should consider these factors before the test begins.

### **Information Guide Feedback**

At the end of this Guide you have been provided with an Information Guide Feedback page. If a procedure or policy has changed, making any part of this Guide incorrect, your feedback would be appreciated so that corrections can be made.

## Test Taking Strategies

### Introduction

Each performance test (4494 Welder Test 7A, 4495 Welder Test 8A and 4496 Welder Test 13A) will measure your ability to perform specific welding techniques. The purpose of this section is to suggest techniques for you to use when taking the tests.

Your emotional and physical state during the test may determine whether you are prepared to do your best. The following list provides common sense techniques you can use before the test begins.

<b>Technique</b>	<b>Remarks</b>
<i>Be confident</i>	<ul style="list-style-type: none"><li>- If you feel confident about passing the test, you may lose some of your anxiety.</li><li>- Think of the test as a way of demonstrating how much you know, the skills you can apply, the problems you can solve, and your good judgment capabilities.</li></ul>
<i>Be punctual</i>	<ul style="list-style-type: none"><li>- Arrive early enough to feel relaxed and comfortable before the test begins.</li></ul>
<i>Concentrate</i>	<ul style="list-style-type: none"><li>- Try to block out all distractions and concentrate only on the test. You will not only finish faster but you will reduce your chances of making careless mistakes.</li><li>- If lighting in the room is poor, sit under a light fixture.</li><li>- If the test room becomes noisy or there are other distractions or irregularities, mention them to the Test Administrator immediately.</li></ul>
<i>Budget your times</i>	<ul style="list-style-type: none"><li>- Pace yourself carefully to ensure that you will have enough time to complete all items and review your work.</li></ul>
<i>Follow Directions</i>	<ul style="list-style-type: none"><li>- Read and/or listen to all directions carefully.</li></ul>

Remember the techniques described in this section are only suggestions. You should follow the test taking methods that work best for you.

## Performance Test Content and Job Skill Areas

Below is a brief description of each performance test scenario and the major job skill areas covered. You can use this information to prepare yourself for the skills you will be asked to perform during the test session.

- **4494 Welder Test 7A**  
**Description:** 3/8" thick carbon steel plate test coupons 6" long with beveled edge. The test coupons will be welded with the STICK weld process. The 6010 weld rod is applied to the open root and the 7018 weld rod is applied for the filler and cover passes. The test position will be the 3G vertical up-hill.
  
- **4495 Welder Test 8A**  
**Description:** 6" schedule 80 carbon steel pipe .432" wall will be welded with STICK weld process. The 6010 weld rod will be applied to the open root and the 7018 weld rod will be applied to the filler and cover passes. The test position will be the 1GR flat rolled.
  
- **4496 Welder Test 13A**  
**Description:** 1/2" thick aluminum plate test coupons 6" long with beveled edge and backing bar. The test coupons will be welded with the TIG weld process. The filler rod ER4043 will be applied for the root, filler and cover passes. The test position will be the 1G flat.

### Overall Skill Areas:

- ✓ Ability to perform proper welds
- ✓ Ability to select proper welding procedures for the selected materials or work.
- ✓ Ability to use the shielded metal arc process.
- ✓ Ability to use the tungsten inert gas (TIG) process.
- ✓ Ability to weld pipes
- ✓ Ability to weld components in flat positions
- ✓ Ability to weld components in vertical positions
- ✓ Ability to weld components in overhead positions

