



Specification for Qualification and Certification for Level II—Advanced Welders



American Welding Society



Key words — advanced level welder, participating organization, performance tests, acceptance criteria, National Registry

AWS QC11-96

Specification for Qualification and Certification for Level II - Advanced Welders

Funded by the
U.S. Department of Education
Grant V244B30006-95

Prepared by the
AWS Education and Certification Departments

Under the Direction of the
AWS Education Grant Committee

Approved by the
AWS Board of Directors

Abstract

This standard defines the requirements and program for the American Welding Society to certify advanced level welders. The certification of Level II - Advanced Welders requires performance qualification and practical knowledge tests. These tests require more detailed skills of reading, computational, and manual skills to complete.



American Welding Society

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International Standard Book Number: 0-87171-473-6

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Foreword

(This Foreword is not a part of AWS QC11-96, *Specification for Qualification and Certification of Level II - Advanced Welders*, but is included for information purposes only).

This standard extends the work of the American Welding Society to further define a national skill standard for the Level II - Advanced Welder. The American Welding Society was awarded Grant #V244B30006-95 for \$1,059,626 by the U.S. Department of Education to develop standards and a certification program for welders during the period from July 1993 to July 1996. The total program cost is \$2,132,094, of which 49.7% (\$1,072,468) is an in-kind contribution by AWS.

To accomplish its goals, AWS organized an Education Grant Committee, which has representatives from all segments of the welding industry, including labor organizations and educational institutions. This Committee has overseen the efforts toward a standard for the qualification and certification of the Level II - Advanced Welder.

The development of this National Skill Standard has involved the participation of the welding industry through a survey designed to determine a consensus of welder skills and competencies required for individuals seeking to continue the development of their welding skills.

The results of this industry survey were an occupational task analysis that formed the basis for curriculum guidelines to guide the training of the Level II - Advanced Welder candidate.

This standard defines the requirements for the certification of such individuals and their entry into the National Registry of Level II - Advanced Welders.

Comments and suggestions for improvement of this standard are welcome. They should be sent in writing to the Secretary, AWS Certification Committee, American Welding Society, 550 N.W. LeJeune Road, Miami, Florida 33126.

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Specification for Qualification and Certification for Level II - Advanced Welders

1. Scope

1.1 This standard establishes the minimum requirements for an organization to participate with the American Welding Society (AWS) in the qualification and certification of advanced welders.

1.2 This standard specifies practical knowledge and performance tests that require a more detailed level of reading, computational, and manual skills to successfully complete.

1.3 All individuals that meet the specified performance at a facility meeting **3. Requirements for Participating Organizations** will be listed in The National Registry of Level II - Advanced Welders at the American Welding Society.

1.4 Organizations not meeting **3. Requirements for Participating Organizations** may use this standard, but individuals they certify will not be listed in the National Registry of Level II - Advanced Welders.

1.5 Although a written test including questions on safety is required by this standard, this standard is not intended to address safety and health. Safety and health requirements are provided in ANSI Z49.1, *Safety in Welding and Cutting*, other safety and health standards, and federal, state, and local government regulations. The responsibility for safety of the Level II - Advanced Welder is primarily with the welder, the Participating Organization during training and testing, and afterwards, with the employer.

1.6 The requirements of this standard shall not supersede the authority of the training facility as established by the local evaluation guidelines.

2. Definitions

The terms used in this standard are defined in ANSI/AWS A3.0, *Standard Welding Terms and Definitions*. Other terms are defined as follows:

- 1) Participating Organization - Any organization meeting **3. Requirements for Participating Organizations**.
- 2) Level II - Advanced Welder - An individual employed in this position is considered to possess a prerequisite amount of knowledge, attitude, skills, and habits required to perform proceduralized tasks under general supervision, and complex tasks involving the use of theoretical knowledge and motor skills under close supervision.