AWS QC5-91

AWS Standard for Certification of Welding Educators

American Welding Society

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Prepared by
AWS Qualification and Certification Committee

Under the Direction of
AWS Education and Certification Council

Approved by
AWS Board of Directors
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Abstract

This Standard describes a program directed by the American Welding Society for the certification of Welding Educators.

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Table of Contents

		Page No.
Personnel		iii
Foreword		iv
1.	Scope	1
2.	Levels of Certification	1
3.	Definitions	1
4.	Function	1
5.	Education and Experience Requirements	2
6.	Examination Requirements	3
7.	Certification	3
8.	Code of Ethics	3
9.	Revocation	4
10.	Reinstatement	4
11.	Recertification (Renewal)	4

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1. Scope

1.1 This standard establishes the requirements for the AWS certification of Welding Educators, describes how personnel are qualified, and outlines the principles of conduct and practice by which certification may be maintained.

1.2 In the certification process, the AWS conducts examinations which verifies a person's skill and knowledge of welding fabrication and requires documentation of their teaching skills.

1.3 It shall be the responsibility of the employer to determine that a person is capable of performing the duties involved in their welding educator assignment.

1.4 This standard is intended to supplement the requirements of an employer, or of state regulations; it shall not be construed as a preemption of the employer's responsibility for the work or for the performance of the work.

2. Levels of Certification

A Certified Welding Educator (CWE) is a person certified by AWS as having met the qualification requirements of 5.1 and section 6. This shall be the only level of certification of Welding Educators.

3. Definitions

Terms used in this Standard are defined as follows:

Acceptance Criteria. Specified limits placed on one characteristic of an item or process defined in codes, standards or other contract requirement documents.

Applicant. A person who applies to the AWS for certification.

AWS. The American Welding Society

Certificate. A document issued to the candidate on successful completion of the requirements for certification.

Certification. The act of determining, verifying, and attesting in writing to the qualification of personnel in accordance with specified requirements.

Fabrication. To construct or manufacture to a specification.

Inspection. Examination or measurement to verify whether an item or activity conforms to specified requirements.

Inspector. A person who performs an inspection function to verify conformance to specified requirements.

Other Terms. All other terms used herein are defined by ANSI/AWS A3.0, *Standard Welding Terms and Definitions.*

Q&C Committee. The Qualification and Certification Committee of the American Welding Society.

Q & C Department. The Qualification and Certification Department of the American Welding Society.

Qualification (Personnel). Demonstrated skill, training, knowledge and experience required for personnel to properly perform duties of a specific job.

Qualified. To have demonstrated the ability to weld with a process to an industry standard.

**NOTE.* This may be done by welding some test plate, such as the AWS D1.1 tacker test, plate test, or pipe test with acceptance verified by testing by an independent testing laboratory to a published standard.

Terminology Guideline. As used in this Standard, the word *shall* denotes a requirement; the word *should* denotes a guideline; and the word *may* denotes a choice.

Training Institution. Organizations which train people for employment in the field of welding. This includes for fee organizations open to the public or in-house training organizations who train only their own employees.

Verification. The act of reviewing, inspecting, testing, checking, auditing or otherwise determining and documenting whether items, processes, services, or documents conform to specified requirements.

Weldment. An assembly whose component parts are joined by welding.

4. Function

The Welding Educator has the responsibility to direct and perform operations associated with welder training and classroom instruction. The activities begin before instruction and continue through the instruction process and do not end until both the students and instruction process have been evaluated. Each employer is responsible for defining the specific duties of a Welding Educator in the respective place of employment. The AWS Certified Welding Educator shall be able to demonstrate the capability of performing the tasks defined in this standard.

The tasks of a Welding Educator include, but are not limited to:

4.1 Welding Codes, Drawings and Specifications. The Welding Educator shall be capable of reading and