



**Supplement C—
Welder
Performance
Qualification
Sheet Metal Test
Requirements**



American Welding Society



Key Words — AWS Certified Welders, sheet metal welding, welders, welder certification, welder qualification

AWS QC7-93, Supplement C

Welder Performance Qualification Sheet Metal Test Requirements

Developed by
AWS Qualification and Certification Committee

Under the Direction of
AWS Education and Certification Council

Approved by
AWS Board of Directors
April 4, 1994

Abstract

This Supplement C to AWS Standard QC7, *Standard for AWS Certified Welder Program*, describes testing administered by Accredited Test Facilities to the requirements of AWS QC4-89, *Standard for Accreditation of Test Facilities for AWS Certified Welder Program*. The welder performance testing for this Supplement was developed using ANSI/AWS D9.1, *Sheet Metal Welding Code*, as reference.



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International Standard Book Number: 0-87171-445-0

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Foreword

(This Foreword is not a part of Supplement C to AWS QC7-93, *Standard for AWS Certified Welders*, but is included only for information.)

The American Welding Society (AWS) Certified Welder Program is established to identify all elements necessary to implement a National Registry of Certified Welders. Four key elements are identified:

- (1) Welder performance qualification standards
- (2) Standard welding procedure specifications
- (3) Accredited performance qualification test facilities
- (4) AWS welder certification requirements

Supplement C, *Welder Performance Qualification Sheet Metal Test Requirements and AWS QC7-93, Standard for AWS Certified Welders*, contain the criteria for AWS Certified Welder Program and the AWS National Registry of Welders. Public listing or disclosure is at the option of the individual welder. It is expected that all four elements outlined above will allow the transfer of welder qualification from employer to employer. This potential transfer of welder qualification can affect financial savings to the welding industry.

The purpose of the QC7-93 is to document the ability of welders to deposit sound welds in accordance with standardized requirements and to impose sufficient controls on the documentation and maintenance of certification to allow transfer between employers without requalification, where allowed by Standard or Contract documents.

Supplement C shall be used in conjunction with AWS QC7-93. This Supplement C is not a standard unto itself and shall be considered only as a supplementary part of AWS QC7-93. The intent of this supplement is to provide welder performance test data to the industry that all employers may use without retesting each welder.

This supplement does not apply to employers that conduct welder qualification tests for their own employees in accordance with ANSI/AWS D9.1, *Sheet Metal Welding Code*. Supplement C to AWS QC7-93 specifies requirements intended to provide an *alternative* welders certification method to comply with the requirements of ANSI/AWS D9.1.

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Supplement C

Welder Performance Qualification

Sheet Metal Test Requirements

C1. Scope

This Supplement C to AWS QC7-93, *Standard for AWS Certified Welders*, specifies requirements intended to provide an alternative welders certification method. The rules for performance qualification are defined in ANSI/AWS D9.1, *Sheet Metal Welding Code*. When the term certified welder is used it shall also denote "welding operator."

C1.1 Program. The administrative rules for the American Welding Society (AWS) Certified Welder Program and the requirements for maintenance of certification are provided in AWS QC7-93, *Standard for AWS Certified Welders*. Test facilities participating in the program are required to meet AWS QC4, *Standard for Accreditation of Test Facilities for AWS Certified Welder Program*.

C1.2 Exclusion. Neither AWS QC7-93 nor this Supplement C prevents or supersedes a Contractor from continuing to qualify welders in accordance with ANSI/AWS D9.1 or other standards. Employers may impose supplementary requirements in addition to this standard.

C1.3 Limitation. Welders participating in the AWS Certified Welder Program shall be limited to those welding essential variables defined in the applicable Performance Tests Descriptions.

C1.4 Safety Precautions. This document is not intended to address safety and health matters regarding the training of certified welders. This document only covers the rules of certification of welders to AWS QC7-93.

C2. Definitions

The terms used in this Supplement C are defined in AWS QC7-93 and ANSI/AWS A3.0, *Standard Welding Terms and Definitions*, except as follows:

Employer. The term is used collectively to mean contractor, fabricator, erector or manufacturer.

C3. Responsibilities Regarding AWS Certified Welders

C3.1 Employer Responsibility. The employers of AWS Certified Welders are responsible for the work performed by their employees. The employers may accept the AWS certification without additional testing or may add requirements as deemed necessary to meet their particular need.

C3.2 Employer Obligation. Companies who employ AWS certified welders should be fully aware of the provisions of the AWS QC7-93 standard and of this Supplement C.

C3.2.1 Employers should specifically note the extent of qualification as stated on the AWS welder certification card.

C3.2.2 The employer shall obtain a copy of the Performance Qualification Test Record from the AWS Qualification and Certification Department.