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Specification for the Qualification of Welding Inspector Specialists and Welding Inspector Assistants



American Welding Society



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Prepared by
AWS B5 Committee on Qualification

Under the Direction of
AWS Technical Activities Committee

Approved by
AWS Board of Directors

Abstract

This specification defines the requirements and program for an employer (company) to qualify Welding Inspector Specialists and Welding Inspector Assistants to contract or industry-specific inspector standards. The qualification program is developed and controlled by an employer. The qualification requires documentation of experience, training, and satisfactory completion of an examination. The examination tests knowledge of welding processes, welding procedures, welder qualification, destructive testing, nondestructive testing, terms, definitions, symbols, reports, records, safety, and responsibility as specifically applied by the contract or industry standards applicable to the employer.



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Table of Contents

	Page No.
<i>Personnel</i>	iii
<i>Foreword</i>	v
1. Scope	1
2. Reference Documents	1
3. Levels of Qualification	1
3.1 Welding Inspector Specialist.....	1
3.2 Welding Inspector Assistant.....	1
4. Definitions	1
5. Functions	2
6. Education and Experience.....	2
7. Written Practice	2
8. Physical Requirements	2
9. Training	3
10. Examination Requirements	3
10.1 Proficiency Examination.....	3
10.2 Welding Inspector Specialist Examination	3
10.3 Welding Inspector Assistant Examination	3
11. Certification.....	3
12. Company Responsibilities.....	3
<i>Annexes—Nonmandatory Information</i>	
<i>Annex A—Body of Knowledge</i>	5
<i>Annex B—Sample Outline for Recommended Practice</i>	7
<i>Annex C—Visual Acuity Record</i>	9
<i>Annex D—Guidelines for Preparation of Technical Inquiries for AWS Technical Committees</i>	11

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1. Scope

1.1 This specification establishes the minimum requirements for the qualification of the *Welding Inspector Specialist* and *Welding Inspector Assistant*. The employer is responsible for the testing, examination and qualification of these inspectors.

1.2 This specification is to aid employers in identifying the basic factors in qualifying personnel performing welding inspection for a specific company or project.

1.3 In developing the written practice (see Section 7), the employer should review the detailed recommendations presented herein and incorporate them into the practice.

1.4 The Welding Inspector Specialist will not be subject to examination and certification by the American Welding Society (AWS). They are not acceptable candidates for reciprocity as an AWS Certified Welding Inspector (CWI) or Certified Associate Welding Inspector (CAWI) in accordance with AWS QC1, *Standard for AWS Certification of Welding Inspectors*.

2. Reference Documents

- (1) AWS A3.0, *Standard Welding Terms and Definitions*¹
- (2) AWS QC1, *Standard for AWS Certification of Welding Inspectors*¹

3. Levels of Qualification

There are two levels of welding inspector qualification defined in this document. These are *Welding Inspector Specialist* and *Welding Inspector Assistant*.

¹ Available from the American Welding Society, 550 N.W. LeJeune Road, Miami, FL 33126.

3.1 Welding Inspector Specialist. A Welding Inspector Specialist is an individual who has been qualified by the employer as meeting the requirements of the employer's welding inspector qualification program.

3.2 Welding Inspector Assistant. A Welding Inspector Assistant is an individual who has been qualified by the employer as meeting the requirements of the employer's program to assist the Welding Inspector Specialist in performing the defined duties. The Welding Inspector Assistant shall perform inspection duties under the supervision of a Welding Inspector Specialist.

4. Definitions

Unless otherwise defined below, the terms included in this specification are as defined in AWS A3.0, *Standard Welding Terms and Definitions*.

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

certifying agency. The employer of the person being certified.

certifying official. The employee of the company who is designated to certify inspectors and revoke certification.

employer. The corporate, private, or public entity which employs personnel for wages, salary, fees, or other considerations.

owner. The person or entities for whom/which weldments are produced to comply with a code, other standard or contract.

qualification. Process of demonstrating whether an entity or individual is capable of fulfilling specified requirements.