



# Welding Inspector 9 Year Recertification Program

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## WELDING INSPECTOR 9-YEAR RECERTIFICATION PROGRAM INFORMATION

As an AWS Certified Welding Inspector or Senior Certified Welding Inspector, you must renew your certification every three years. On the ninth year cycle, you must recertify by examination, taking or having taken (during the current 9-year cycle) a supplemental inspection exam (endorsement), or by demonstrating 80 personal development hours (PDH).

### OPTION 1: 9-YEAR RECERTIFICATION BY EXAMINATION:

**CWI PART B PRACTICAL:** Candidates for 9-year recertification may take the two-hour Part B: Practical Exam. Candidates will be required to review the *Book of Specifications* developed solely for use on this portion of the exam and use an inspection kit (refer to the enclosed Publication Catalog for ordering a similar inspection kit). A copy of this book will be provided to you as a study guide, once you received an exam confirmation package.

The Part B: Practical Exam will evaluate you in the practical aspects of weld inspection and validate your skills are current. It is to your advantage to be familiar with fillet and butt weld gauges, micrometers and dial calipers. You should review a variety of weldments that show various levels of porosity, undercut, as well as interpretation of bend samples, groove welds, t-joints and the ability to calculate tensile strengths. The exam will cover the following subject areas: Procedures and Welder Qualification, Mechanical Test and Properties, Weld Inspection and Flaws and Nondestructive Tests.

The plastic sample welds you will inspect are examples found in the field that may or may not meet specification. Your responsibility is to determine if the samples meet the acceptance criteria in the *Book of Specifications*.

AWS offers a regional one-week preparatory course for the CWI examination that includes a Visual Inspection Workshop (VIW). You may register for the VIW to help you prepare for the CWI Part B Practical exam.

**SCWI – PART A AND B:** Senior inspectors may opt to retest on two part examination. The SCWI exam will consist of two open book examinations, each lasting two hours. Subject areas covered will be in accordance with AWS B5.1, *Specification for the Qualification of Welding Inspectors* section 7.2.

**CWI AND SCWI SUPPLEMENTAL INSPECTION EXAM (SIE, OR ENDORSEMENT):** Candidates for 9-year recertification may take one or more Supplemental Inspection Exams on approved standards or inspection programs. Currently approved exams cover several AWS standards (D1.1, D1.5, D15.1, etc.), ASME standards, API 1104, 20th Edition, and various AWS-certified inspection programs (Radiographic Interpreter and others).

### OPTION 2: 9-YEAR RECERTIFICATION BY EXEMPTION:

**CONTINUING EDUCATION:** This option is for those inspectors who have kept themselves up-to-date in the field of inspection by attending classes and seminars related to the field of welding inspection or the teaching of those subjects. A minimum of 80 PDH earned during the nine year certification period, 20 PDH earned in the last three-year period is required. A PDH is no less than 50 minutes of personal interaction between a learner and instructor. Contact implies two-way communication in order for the learner to receive feedback.

Following the Education and Experience Requirements of the QC-1, Section 5, the course content must be in one or more of the subject areas as defined. A maximum of 80 PDH are allowed for any one course and

no course may be repeated for credit within any three year period. Certificates of completion, diplomas or transcripts must be submitted with your application. Trainers who want to substitute teaching hours for student hours shall submit documentation of the hours of training performed and course curriculum.

Beyond the offerings listed in the QC-1, seminars and courses offered by training organizations and in-house programs may be accepted if they meet the requirements as stated in Section 16 in the QC-1. AWS nationally sponsored courses and seminars where promotional literature and Certificates of Completion indicate hours granted for CWI 9-year recertification are acceptable towards educational requirements.

**9-YEAR RECERTIFICATION COURSE:** The AWS 9-year recertification course may be for you. If your certification expires within one year of your Welding Inspectors (CWI or SCWI) certification and you haven't decided to recertify through examination, or haven't accumulated 80 PDH in the past nine years, it is an intensive six-day course that includes:

- A pre-seminar reading assignment for you to complete 30 days prior to the course which counts toward the 80-hour requirement.
- An informal skills assessment to guide your instructor in tailoring the course material to meet your needs.
- An interactive format that allows you to share with and learn from your peers, gaining synergy from the entire group's collective experience.
- The opportunity to discuss technical and administrative problems you've encountered while on the job with other experienced welding inspectors, and to benefit from their perspectives.
- A field trip to a local plant or testing laboratory for an insightful behind-the-scenes tour.
- Upon completion of the course, the AWS Education Department will send you a Certificate of Completion.

**SUPPLEMENTAL INSPECTION EXAM (SIE, OR ENDORSEMENT):** Candidates for 9-year recertification may take one or more Supplemental Inspection Exams on approved standards or inspection programs any time during their 9-year cycle. Having taken one or more SIEs exempts recertification candidates from having to meet any additional examination, professional development hour requirements, or seminar requirements.

### **OPTION 3: 9-YEAR RECERTIFICATION SEEKING SCWI CERTIFICATION:**

*(Please complete the Welding Inspector exam application and one of the Welding Inspector 9-year recertification application)*

CWI applicants in their ninth year recertification cycle who wish to pursue and qualify for SCWI status will need to complete a 9-year recertification Application along with a Welding Inspector Exam application for SCWI examination. Your CWI can be recertified at the 9-year mark by the above two options. If you choose the 9-year Part B: Practical Exam, you may take the exam at the same site as the SCWI examination. If you qualify for recertification via the continuing education route, the supporting documents along with the completed Welding Inspector 9-year recertification Exempt application must be submitted at the same time as your Senior Welding Inspector Exam application. Note: you will only be required to pay for the SCWI examination.

If you choose to purchase an AWS Seminar and Exam Package that includes the cost of the seminar and certification exam, you are not automatically registered to take the test. AWS must receive your complete application and review your qualifications to make sure you are eligible to take the exam. Payments or purchase orders should accompany applications. Check the Certification Schedule for examination, course dates and application submission deadlines.

The standard application processing time is six weeks. Please be advised you will be notified six weeks **AFTER** your application has been submitted.

- ❑ For questions regarding certification contact, the Certification Department, ext. 273
- ❑ For questions regarding seminar or study materials, contact the Education Department, ext. 455.





LAST NAME:

FIRST NAME:

**7. QUALIFYING WORK EXPERIENCE – RESUMES NOT ACCEPTED**

\_\_\_\_\_ I attest to having no period of continuous inactivity greater than two years during the previous three years of certification.  
(initial) . I understand that work experience documented on this application may be verified with both past and present employers.

Company Name		Type of Business	Company Phone Number	
Company Street Address			City, State, Zip Code	
Supervisor's Name		Title of Immediate Supervisor		
Supervisor's Email Address			Department	
Applicant's Job Title		Employed From: (Mo.) (Yr.)	To: (Mo.) (Yr.)	
Job Responsibilities- Detailed Description Required*				

**8. TESTIMONIAL: (this section must be notarized)**

**CERTIFICATION PROGRAMS**

- Certified Welding Inspector       Senior Certified Welding Inspector       9-Yr Re-Certification  
QC1:2007 Standard for the AWS Certification of Welding Inspectors & B5.1:2003 Specification for the Qualification of Welding Inspectors
- Certified Welding Educator  
QC5:1991 AWS Standard for the Certification of Welding Educators & B5.5:2000 Specification for the Qualification of Welding Educators
- Certified Welding Supervisor  
QC13:2006 Specification for the Certification of Welding Supervisors & B5.9:2006 Specification for the Qualification of Welding Supervisors
- Certified Radiographic Interpreter  
QC15:2008 Specification for the Certification of Radiographic Interpreters & B5.15:2003 Specification for the Qualification of Radiographic Interpreters
- Certified Welding Sales Representative  
B5.14:2009 Specification for the Qualification of Welding Sales Representative & QC14:2009 Specification for the Certification of Welding Sales Representative

(Applicants must read and sign the following statement in front of a notary)  
I hereby certify that I have read the standard requirements contained in the certification programs indicated above. Further, I agree to comply with the existing requirements and any subsequent requirements that may be instituted by AWS. I certify that the information I have included on this application is true; I understand that any false statements will nullify this application. I give AWS permission to verify this information. I agree to comply with the provisions set forth in the Standard concerning the administration of my examination and certification. Upon obtaining my certification, I give AWS the right to reveal my certification status as it relates to my validity and expiration date only. I further understand that any required information that is incomplete or missing will cancel this registration.

**Furthermore, I certify that I have not obtained any exam materials, have no prior knowledge of the AWS exam questions or answers, and have not and will not accept any solicitation for the AWS exam questions or answers from anyone at any time before or after the exam. I understand that a violation of this oath may be grounds for invalidation of my certification.**

Applicant's Signature \_\_\_\_\_ Date: \_\_\_\_\_

**THE FOLLOWING IS TO BE COMPLETED BY A NOTARY PUBLIC**

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

My commission expires \_\_\_\_\_ Notary Public Signature \_\_\_\_\_ (seal and/or stamp is REQUIRED)

LAST NAME:

FIRST NAME:

**9. CONTINUING EDUCATION and/or TEACHING CREDIT:**

*(Complete this section only if submitting 80 Personal Development Hours. Duplicate this page as necessary.)*

- A minimum of eighty (80) PDHs must be earned during the nine year certification period and twenty (20) of those 80 PDHs must be earned in the final three-year period.
- A PDH is no less than 50 minutes of personal interaction between a learner and instructor. Interaction implies two-way communication in order for the learner to receive feedback.
- A maximum of eighty (80) PDHs are allowed for any one course.
- PDHs claimed must be accompanied by a course description and certificate of completion indicating the number of contact hours.

**Example:**

<u>PDH</u> 40	<u>Institution or provider name and contact information:</u> Sample Institution 1234 Street Anywhere, US 54321 Phone: 999-555-1212	<u>Title of course or seminar:</u> Welding Technology 101
	DATE OF COMPLETION: January 2, 2099	

<u>PDH</u>	<u>Institution or provider name and contact information:</u>	<u>Title of course or seminar:</u>
	DATE OF COMPLETION:	

<u>PDH</u>	<u>Institution or provider name and contact information:</u>	<u>Title of course or seminar:</u>
	DATE OF COMPLETION:	

<u>PDH</u>	<u>Institution or provider name and contact information:</u>	<u>Title of course or seminar:</u>
	DATE OF COMPLETION:	

<u>PDH</u>	<u>Institution or provider name and contact information:</u>	<u>Title of course or seminar:</u>
	DATE OF COMPLETION:	



# American Welding Society

550 NW LeJeune Rd Miami, FL 33126  
(800) 443-9353 or (305) 443-9353, ext. 273

# VISUAL ACUITY RECORD

LAST NAME : \_\_\_\_\_ Certification # (if applicable) : \_\_\_\_\_

FIRST NAME : \_\_\_\_\_ MEMBER # (if applicable) : \_\_\_\_\_

If scheduled to take an AWS certification exam, site location: \_\_\_\_\_ Date \_\_\_\_\_

### TO APPLICANTS:

This form must be submitted for all Welding Inspector and Radiographic Interpreter applications. Applicants for the Certified Welding Educator **only** are not required to complete this form.

Before submitting this form with your application to AWS, be sure to keep a copy for your records. If you're unable to supply a completed Visual Acuity Record with your application prior to submission deadline, you may forward this form to the Certification Department separately. Exam applicants may submit completed Visual Acuity Records on exam day. AWS will not release exam results and/or certification renewal without a completed Visual Acuity Record on file.

You must use the services of an Ophthalmologist, Optometrist, Medical Doctor, Registered Nurse or Certified Physician's Assistant to administer your required eye examination. The examination must occur within the seven months prior to the scheduled date of the applicant's examination and/or certification expiration date.

All applicants must pass an eye examination, with or without corrective lenses, to prove near vision acuity on Jaeger J2 at 12 in. or greater (≥30.5 cm). All applicants shall take a color perception test. Eye examination results must be documented on this visual acuity form supplied by the AWS Certification Department. No other forms will be accepted.

AWS will not accept visual acuity test results that are incomplete or do not comply with regulations.

## THE FOLLOWING THREE SECTIONS ARE TO BE COMPLETED BY THE EYE EXAMINER

1. Please verify the customer's close vision acuity to Jaeger J2 specifications at a distance of 12 inches or greater (≥30.5 cm): (please check one of the following)		AWS use only
<input type="checkbox"/>	Both eyes require corrected vision to J2	W
<input type="checkbox"/>	Only one eye needs corrected vision to J2	W
<input type="checkbox"/>	No correction is required.	O

2. Through a color perception examination, is the applicant colorblind? (please check one of the following)		AWS use only
<input type="checkbox"/>	No, customer is not colorblind	C
<input type="checkbox"/>	Yes, customer is colorblind.	B

### 3. PLEASE PRINT CLEARLY

CUSTOMER NAME: \_\_\_\_\_ DATE OF EYE EXAMINATION: \_\_\_\_\_

EXAMINER NAME: \_\_\_\_\_ TELEPHONE NUMBER: \_\_\_\_\_

EXAMINER ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ ST/PROVINCE: \_\_\_\_\_ ZIP: \_\_\_\_\_ COUNTRY: \_\_\_\_\_

EXAMINER PROFESSIONAL STATUS BY (please check only one):

Ophthalmologist     Optometrist     Medical Doctor     Registered Nurse     Certified Physician's Assistant

EXAMINER SIGNATURE: \_\_\_\_\_ STATE/PROV. LICENSE NUMBER: \_\_\_\_\_





# BODY OF KNOWLEDGE

## Senior Certified Welding Inspector

All examinations for the AWS Senior Certified Welding Inspector are in open-book format. Candidates may bring to the examination site any reference materials that they feel will assist them in taking the examinations.

The SCWI examinations will consist of two open book examinations, each lasting two hours. All applicants shall successfully meet the SCWI requirements as contained in 6.2 of AWS B5.1, *Specification for the Qualification of Welding Inspectors*. Candidates must pass each exam part with a minimum of 72%.

Approximate subject weights for the two examination parts are as follows:

Welding and allied processes	5% of total questions
Heat control and metallurgy	10%
NDE fundamentals	10%
NDE applicability	1%
Destructive testing	5%
Welding procedure qualification	10%
Welding Personnel Qualification and Certification	10%
Welding Inspection and NDE Personnel Qualification and Certification	10%
Quality assurance	10%
Safety programs and procedures	5%
Project management	5%
Personnel management and training	5%

### **AWS-RECOMMENDED SELF-STUDY Examination Preparatory Material**

#### **AWS PUBLICATIONS**

Standard for AWS Certification of Welding Inspectors  
Welding Handbook  
Welding Handbook  
Guide for the Nondestructive Testing of Welds  
Guide for the Visual Inspection of Welds  
Specification for Welding Procedure and Performance Qualification  
Standard Methods for the Mechanical Testing of Welds  
Recommended Practices for Welding Austenitic Chromium -  
Nickel Stainless Steel Piping and Tubing  
Welding Inspection Handbook 2000  
Welding Inspection Technology  
SNT-TC-1A, 2001 or 2006 Edition  
ANSI 249.1  
ISO 9001

#### **ORDER NUMBER**

QC1:2007  
Vol. 1, 8<sup>th</sup> or 9<sup>th</sup> edition  
Vol. 4, Part 2, 8<sup>th</sup> or 9<sup>th</sup> edition  
B1.10:2009  
B1.11:2000  
B2.1:2005 or B2.1:2009  
B4.0:2007  
  
D10.4:1986  
WI:2000  
WIT-T:2008  
Available through ASNT: 800-222-2768  
[www.awspubs.org](http://www.awspubs.org)  
[www.iso.org](http://www.iso.org)

### **TO ORDER ANY OF THE ABOVE PUBLICATIONS CONTACT:**

**WEX** (888) WELDING ♦ (305) 824-1177 or visit the website at: [www.aws.org/standards](http://www.aws.org/standards)