



WELDING INSPECTOR 9-YEAR RECERTIFICATION PROGRAM INFORMATION

As an AWS Certified Welding Inspector, you must renew your certification every three years. In the ninth year cycle, you must recertify either 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: For CWI recertification, the two-hour Part B Practical Exam will evaluate you in the practical aspects of weld inspection and establish that your skills are current. Exams are administered at convenient sites all over the country. Each candidate is required to review a “Book of Specifications” developed solely for this portion of the exam. A copy of this book will be provided to you as a study guide in advance of the exam. Your responsibility is to determine if plastic replicas of welds meet the acceptance criteria in the “Book of Specifications.”

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 and undercut. Be prepared to interpret bend samples and calculate tensile strengths.

A one-day preparatory Advanced Visual Inspection Workshop can help you prepare for the exam. You may register for the course when you submit your 9-Year Recertification application.

CWI AND SCWI SUPPLEMENTAL INSPECTION EXAM (SIE, OR ENDORSEMENT): You can take a Supplemental Inspection Exam (SIE) in your 9th year of certification. Qualifying for and passing one of these exams meets the requirements for recertification. Endorsements are listed on your endorsement card.

Endorsements to codebooks require passing a two-hour Part C: Open-Book Code Application exam on one of the following codes:

- AWS D1.1 Structural Steel
- AWS D1.2 Structural Aluminum
- AWS D1.5 Bridges
- AWS D15.1 Railroad
- API 1104 Pipelines
- ASME Section IX, B31.1 and B31.3
- ASME Section VIII, Div. 1 and Section IX
- AWS Certified Radiographic Interpreter
- AWS Certified Welding Supervisor
- Structural Bolting Inspection (non codebook exam)
- Structural Drawing Reading (non codebook exam)

OPTION 2: 9-YEAR RECERTIFICATION BY EXEMPTION:

CONTINUING EDUCATION: If you have kept yourself up to date in the inspection profession by attending classes and seminars related to welding, your education requirements may be satisfied. You need 80 contact hours (PDHs) of seminars or courses that meet the requirements of QC1 sections 5 and 16. 20 of the 80 PDH hours must have been earned during the last three years of your nine-year certification period. AWS sponsored conferences and courses that provide certificates of completion, or working on AWS technical committees can also earn PDH hours. 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.

The course content must be in one or more of the subject areas as defined in the Education and Experience Requirements of the B5.1 section 5. A maximum of 80 PDH are allowed for any one course and no course may be repeated for credit within any nine year period. Certificates of completion, diplomas or transcripts must be submitted with your application. Trainers who want to substitute teaching hours for the required PDHs shall submit documentation of the hours of training performed and course curriculum.

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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: If your certification expires within one year of your Welding Inspector (CWI or SCWI) certification and you haven't decided to recertify through examination, or haven't accumulated 80 PDH in the past nine years, the AWS 9-year recertification course may be for you. This six-day course 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, you will receive an AWS Certificate of Completion for the course. Your new wallet card, certificate, and stamp will be mailed to you. Your certification number and renewal month will not change.

***NOTE** SPACE FOR THE 9YR COURSE IS LIMITED. ACCEPTANCE IS BASED ON AVAILABILITY AND QUALIFICATION FOR 9 YEAR RECERTIFICATION.

SUPPLEMENTAL INSPECTION EXAM (SIE, OR ENDORSEMENT): Welding Inspectors who have taken and passed one or more Supplemental Inspection Exams on approved standards or inspection programs any time during their 9-year cycle may apply for recertification without having to meet further examination requirements, professional development hour requirements, or seminar requirements. To qualify, a completed 9-Year Recertification application must be submitted indicating "By Endorsement" under the Recertification by Non-Exam Options section.

OPTION 3: 9-YEAR RECERTIFICATION SEEKING SCWI CERTIFICATION:

CWI applicants in their ninth year of certification who wish to test for SCWI status will need to complete a Senior Welding Inspector Exam application for SCWI examination. In case you are not successful in passing the SCWI exam, your CWI can be renewed by submitting the 9-year Recertification application along with your SCWI Exam application. 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 continuing education, the supporting documents along with the completed Welding Inspector 9-year Recertification application must be submitted at the same time as your Senior Welding Inspector Exam application.

Note* Payment for both the SCWI Exam application and CWI 9-Year Recertification application is required if both applications are mailed and received by AWS.

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 must accompany your application. Please check the Certification Schedule for examination, course dates, and application submission deadlines.

Please allow adequate time for your application to be processed. Applicants applying for an exam and have been accepted, will receive a confirmation package via email.

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



American Welding Society

550 NW LeJeune Rd Miami, FL 33126
(800) 443-9353 or (305) 443-9353, ext. 273
FAXED OR EMAILED APPLICATIONS ARE NOT ACCEPTED

Certified Welding Inspector (CWI) 9-YEAR RECERTIFICATION APPLICATION

LAST NAME										FIRST NAME										MI	

1. PLEASE COMPLETE THE FOLLOWING:

YOUR AWS MEMBER # _____

YOUR CERTIFICATION # _____

2A. RECERTIFICATION BY EXAM: (please choose the exam type and complete Sections 4 through 8)

CWI Part B Practical Exam Only
Member \$595 **Non- Member \$810**

CWI Exam Part B Exam & Visual Inspection Workshop
Member \$1090 **Non- Member \$1305**

2B. RECERTIFICATION BY ENDORSEMENT EXAM
 ACHIEVED IN 9TH YEAR OF CERTIFICATION: (please choose the exam type and complete Sections 4 through 8)

AWS D1.1/D1.1M Structural Steel: 2006, 2008, or 2010 edition permissible

API-1104 Pipelines: 20th edition with 2007 errata and addenda

AWS D1.2/D1.2M Structural Aluminum: 2003 or 2008 edition

AWS D1.5M/D1.5 Bridge: 2008 edition

AWS D15.1 Railroad: 2007 edition

ASME Section IX, B31.1 (both 2007), and B31.3 (2006)

ASME Section VIII, Div. 1 and Section IX (both 2007 editions with 2008 addenda)

Member \$870 **Non- Member \$1085**

INDIVIDUAL CODE CLINICS

D1.1 code clinic workshop (code book not supplied)
Member \$375 **Non- Member \$590**

API-1104 code clinic workshop (code book not supplied)
Member \$335 **Non- Member \$550**

2C. RECERTIFICATION BY NON-EXAM OPTIONS: (please check one of the options below)

80 Personal Development Hours (PDHs): *Please complete Sections 3 and 5 through 90.*
Member \$595 **Non- Member \$810**

9-year Recertification Course: *Please complete Sections 3 through 8.*
Member \$1625 **Non- Member \$1840**

By Endorsement: *Endorsement must have been achieved prior to your 9th year of certification and a copy of the certificate attached. Please complete Sections 3, and 5 through 8.*
Member \$595 **Non- Member \$810**

3. METHOD OF PAYMENT

Payment must accompany your application.

Check or money order # _____

VISA MC AMEX Diners Discover

CC#: _____/_____/_____/_____

EXP DATE: _____/_____/_____

SIGNATURE

AWS USE ONLY

Date: _____ Acct #: _____

Amt\$: _____

4. PLEASE INDICATE THE EXAM OR COURSE LOCATION OF YOUR CHOICE

PLEASE ALLOW 3-4 WEEKS PROCESS TIME. CONFIRMATION LETTERS WILL BE EMAILED UNLESS EMAIL ADDRESS IS NOT INDICATED IN SECTION 5.

1st Site Code: _____ Date: _____ City/State: _____ *Submission Deadline: _____

2nd Site Code: _____ Date: _____ City/State: _____ *Submission Deadline: _____

3rd Site Code: _____ Date: _____ City/State: _____ *Submission Deadline: _____

NOTE: AWS strongly recommends the applicant selects a second and third site location alternative. If the first choice is not available, the next available location will be selected. Please **do not** make any hotel or flight arrangements until you have received your exam confirmation letter from the Certification Department.

LAST NAME:	FIRST NAME:
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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)

(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 AWS QC1, *Standard for AWS Certification of Welding Inspectors*. Further, I agree to comply with the existing requirements and any subsequent requirements that may be instituted by AWS. I have read and agree to the terms and conditions set forth in the *AWS Policies and Fees* form. 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: _____

<u>THE FOLLOWING IS TO BE COMPLETED BY A NOTARY PUBLIC</u>	
Sworn to and subscribed before me this _____ day of _____ 20____.	
My commission expires _____	Notary Public Signature _____ <i>(seal and/or stamp is REQUIRED)</i>

LAST NAME:	FIRST NAME:
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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>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
<u>PDH</u> 40	DATE OF COMPLETION:	January 2, 2099

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

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

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

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



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

AWS Certified Welding Inspector

The following is an **approximate** breakdown of the examination categories and the number of questions drawn from each subject area.

PART A: FUNDAMENTALS	
Subject	Percentage
Welding Processes	10%
Heat Control & Metallurgy (carbon and low-alloy steel)	6%
Weld Examination	9%
Welding Performance	9%
Definitions and Terminology	12%
Symbols – Welding and NDE	10%
Test Methods – NDE	8%
Reports and Records	6%
Duties and Responsibilities	4%
Safety	5%
Destructive Tests	4%
Cutting	3%
Brazing	2%
Soldering	1%

PART B: PRACTICAL	
Subject	Percentage
Procedure and Welder Qualifications	30%
Mechanical Test and Properties	10%
Welding Inspection and Flaws	36%
NDE	10%
Utilization of Specification and Drawings	10%

PART C: CODE APPLICATIONS	
Subject	Percentage
Materials and Design	10%
Fabrication	30%
Inspection	25%
Qualification	30%

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

Note: D1.1:2006, 2008, or 2010 editions may be used as study material.

AWS PUBLICATIONS	ORDER NUMBER
<i>Certification Manual for Welding Inspectors</i>	CM: 2000
<i>Welding Inspection Handbook</i>	WI: 2000
* <i>D1.1/D1.1M Structural Welding Code-Steel</i>	D1.1/D1.1M: 2008
* <i>D1.1 Code Clinic Reference Manual</i>	D1.1CCRM: 2008
* <i>API 1104 Study Guide for API Standard 1104 Welding of Pipelines</i>	API-M: 2008
* <i>Welding Inspection Technology</i>	WIT-T: 2008
* <i>Welding Inspection Technology (Workbook)</i>	WIT-W: 2008
* <i>Welding Inspection Technology Sample CWI Fundamentals Exam</i>	WIT-E: 2008
* <i>Standard Welding Terms and Definitions</i>	A3.OM/A3.0:2010
* <i>Standard Welding Symbols</i>	A2.4: 2007
* <i>Visual Inspection Workshop Reference Manual</i>	VIW-M: 2008
* <i>Guide for the Nondestructive Examination of Welds</i>	B1.10M/B1.10:2009
* <i>Specification for the Qualification of Welding Inspectors (errata 2007)</i>	B5.1: 2003
❖ Books are provided to participants at the AWS Seminars	

CODE SUBJECTS AVAILABLE
AWS D1.1- Structural Steel Code: 2006, 2008, or 2010 editions
*AP1104- Pipelines 20 th edition with 2007 errata/addenda
**AWS D1.2- Structural Aluminum Code: 2003 or 2008 edition
**ASME Section IX (2007 edition), B31.1 (2007 edition), & B31.3 (2006 edition)
**AWS D15.1 - Railroad: 2007 edition
**ASME Sections VIII (Div 1) & IX, (both 2007 editions with 2008 addenda)
**AWS D1.5- Bridge Welding Code: 2008 edition

* Applicant **must** provide own codebook for the exam.

** Code Clinic not available. Applicant **must** provide own codebook for the exam.

OTHER RECOMMENDATIONS	ORDER NUMBER
AWS Welding Handbook Series	WHB-ALL
Guide for the Visual Examination of Welds	B1.11: 2000
Safety in Welding, Cutting and Allied Processes	ANSI Z49.1: 2005

TO PURCHASE ANY OF THE AWS PUBLICATIONS OR THE API1104 CODEBOOK:

- ❑ Contact WEX at 888-WELDING or 305-824-1177
- ❑ Or visit the website at www.awspubs.com