

AWS CWI



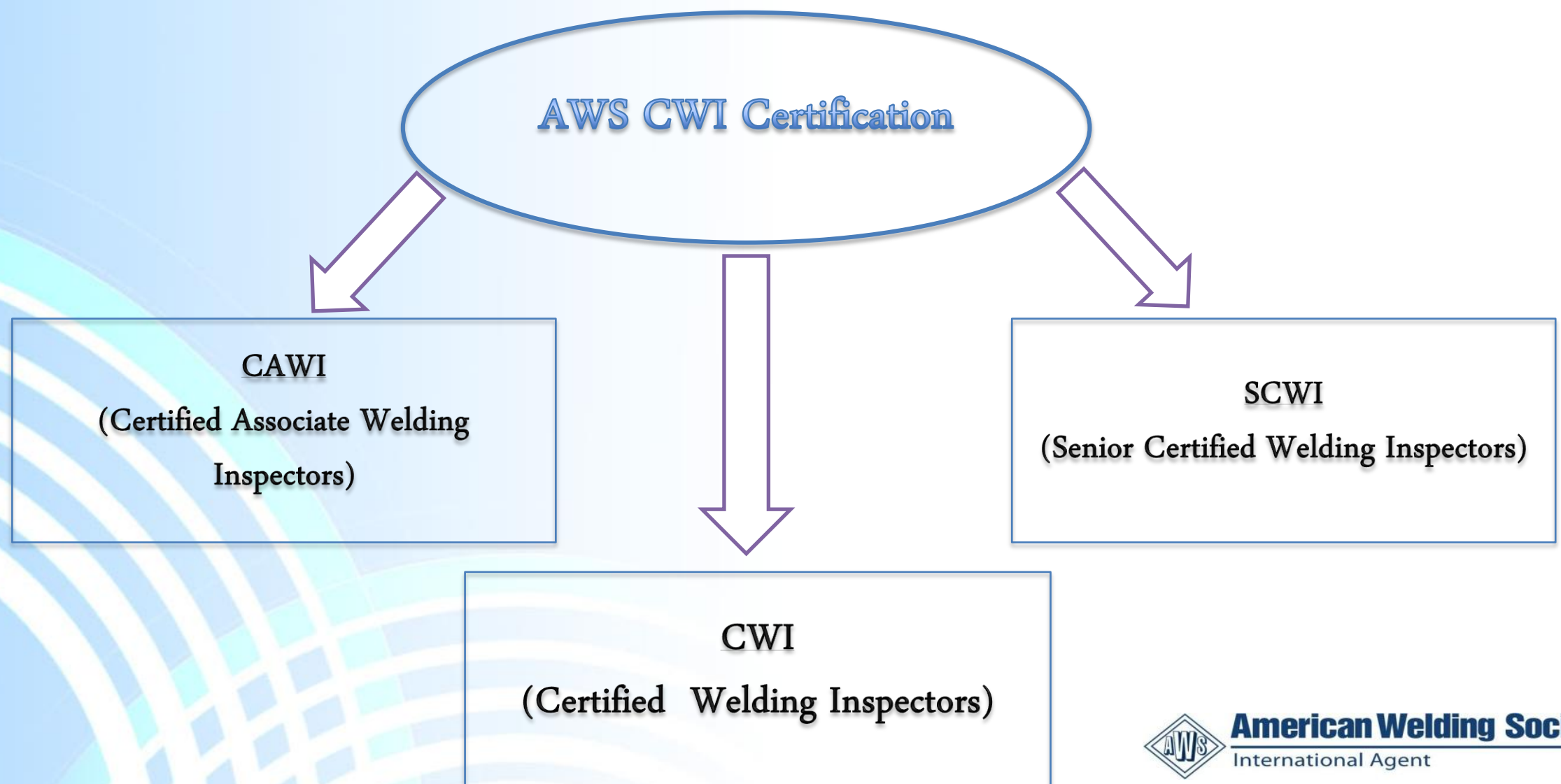
Vision of Eurotech



**TO AVAIL WELL QUALIFIED AND CERTIFIED WELDING
INSPECTORS TO THE INDUSTRIES**

AWS CWI Certification Program

- ❑ It is a program which is conducted by AWS & deals with the field of Welding.
- ❑ In this program, A person is evaluated/ certified for his/ her knowledge related to Welding and eligible for Certification after passing exam.



Value of CWI Certificate

- AWS Certification is the Welding Industry's most respected sign of approval.
- The CWI[®] is widely recognized, both Nationally and Internationally, and successful Companies have come to rely on this AWS Certification while ensuring the Highest Level of Quality Workmanship.

Once you are Certified, you'll receive a Free Subscription to Inspection Trends Magazine, geared specifically to keep you informed of the latest developments in Testing and Materials Inspection.



Functions and Capabilities of CWI Inspector

AWS Certified Welding Inspectors



CAWI

Able to perform Inspections, under the direct supervision of a SCWI or CWI within Visible and Audible Range.



CWI

1. Capable to perform Inspection & Supervise/ Train one or more CAWI.
2. Conduct audits of Vendors or/ and Organizations.
3. Check for Standard Mitigation.



SCWI

1. Able to perform inspection & supervise/ train one or more CWI/CAWI.
2. Conduct Audits of Vendors or/ and Organizations.
3. Check for standard mitigation.

Welding Inspectors Capabilities based on Qualification Level

Sr. No.	Knowledge and Skills	CAWI	CWI	SCWI
1.	Prepare Reports	√	√	√
2.	Communicate Effectively Orally and Written	√	√	√
3.	Understand the Fundamentals of Welding	√	√	√
4.	Understand the fundamentals of VT, MT, AET, UT, PT, ET, RT, LT, Quality Procedures and Quality Audits/ Surveillance	√	√	√
5.	Understand the fundamentals of Welding Metallurgy		√	√
6.	Understand Welding Symbols and Drawings	√	√	√
7.	Interpret Drawings		√	√

Sr. No.	Standards	CAWI	CWI	SCWI
1.	Verify Base Material Compliance	√	√	√
2.	Verify Filler Metal Compliance	√	√	√
3.	Verify Filler Metal Storage/Handling Compliance	√	√	√
4.	Verify Inspection Records Compliance	√	√	√
5.	Verify Proper Documentation Compliance	√	√	√
6.	Verify Base Material and Filler Metal Compatibility		√	√
7.	Certify Documented Results Compliance		√	√
8.	Verify Procedure Qualification Records Compliance		√	√
9.	Verify Welding Procedure Compliance		√	√
10.	Verify NDE Procedures Compliance		√	√
Sr. No.	Safety	CAWI	CWI	SCWI
1.	Verify Safety Requirements Compliance	√	√	√
2.	Develop Safety Procedures and Policies			√

Sr. No.	Procedure Qualification	CAWI	CWI	SCWI
1.	Verify Welding Equipment Appropriateness	√	√	√
2.	Verify Edge Preparation Compliance	√	√	√
3.	Verify Joint Geometry Compliance	√	√	√
4.	Witness Procedure Qualification		√	√
5.	Verify Welding Procedure Qualification Compliance		√	√
6.	Review and Approve Welding Procedures		√	√
7.	Develop Welding Procedures			√
Sr. No.	Performance Qualification	CAWI	CWI	SCWI
1.	Witness Welder Performance Qualification		√	√
2.	Verify Welder Qualification Compliance		√	√
3.	Verify Welder Qualification Records Compliance		√	√
4.	Request Welder Performance Requalification		√	√

Sr. No.	Production	CAWI	CWI	SCWI
1.	Verify Welder Qualification Appropriateness		√	√
2.	Verify Production Welding Compliance		√	√
3.	Verify Personnel Qualifications		√	√
<u>Evaluation</u>				
1.	Evaluate AWI's Performance		√	√
2.	Evaluate WI's Performance			√
3.	Perform Inspection Results Trend Analysis			√
<u>Quality Assurance</u>				
1.	Perform Audits and Surveillance		√	√
2.	Develop Quality Assurance Plans			√
3.	Prepare Base Material, Weld Consumable Control Requirements			√
4.	Prepare Document Control , Audit and Surveillance Plans			√

Sr. No.	Inspection	CAWI	CWI	SCWI
1.	Perform Visual Examinations	√	√	√
2.	Verify Examination Procedure Compliance		√	√
3.	Review Examination Results Compliance		√	√
4.	Develop Visual Inspection Procedures (Before, during, and after Welding)		√	√
5.	Provide NDE Inspection Planning and Scheduling (Before, during, and after a Project)		√	√
6.	Review Welding Inspection Reports		√	√
7.	Verify Implementation of Nondestructive and Destructive Evaluation Methods		√	√
8.	Prepare Visual Inspection Requirements			√
9.	Prepare NDE Requirements			√
10.	Report Investigation Results of Quality Inspection Disputes			√
11.	Prepare Destructive Testing Requirements			√

Advantages to Industries by CAWI/CWI/SCWI

1. Minimize failures and recall.
2. Uniquely increase sales advantages over Foreign and Domestic Competition.
3. Save money on Training and Testing.
4. Maximize Product Liability Protection.
5. Maintain desired levels of Workmanship and Quality, while improving Productivity and efficiency for your Company.

Are you eligible for program ?

Sr. No.	Minimum Education	Min. Work Experience
1.	Associate or Higher Degree in Engineering Technology, Engineering, or a Physical Science	3 Years
2.	High School Diploma Plus Two or more Years Engineering/ Technical School Courses	3 Years
3.	High School Diploma plus One Year Engineering/Technical School Courses or one or more Years of Vocational Education and training in a Welding Curriculum.	4 Years
4.	High School Diploma or approved High School Equivalency Diploma	5 Years
5.	At least 8 th Grade	9 Years
6.	Less than 8 th Grade	12 Years

Examination Requirements

Sr. No.	CAWI Examination	No. of Questions	Min. Percentage Required
1.	Part A—Fundamentals	150	60%
2.	Part B—Practical	46	60%
3.	Part C—Code Book	60	60%

Sr. No.	CWI Examination	No. of Question	Min. Percentage Required
1.	Part A - Fundamentals	150	72%
2.	Part B - Practical	46	72%
3.	Part C - Code Book	60	72%

Sr. No.	SCWI Examination	No. of Question	Min. Percentage Required
1.	SCWI Part A and Part B	200	72% (144 Correct ans.)

Eurotech and AWS



Who are we?

We **“EUROTECH ASSESSMENT & CERTIFICATION SERVICES PVT. LTD.”** are Affiliate Member and International Agent of AWS, also Eurotech is a Certification/ Technical Inspection/ Testing and Training Company.

What do we offer?

Welding Inspector Training/ Third Party Inspection/ CE Marking & QMS Certification

How many customers?

Eurotech have more than 3000 satisfied Customers Worldwide till date.

Overview of Seminar

Day 1 : API 1104 Code Clinic

(Helps you prepare for the CWI Exam - Part C)

Day 2 : Visual Inspection Workshop

(Helps you prepare for the CWI Exam - Part B)

Day 3-5 : Welding Inspection Technology Workshop

(Helps you prepare for the CWI Exam - Part A)

Day 6: Revision of part B & C

(Helps you prepare for the CWI Exam - Part B &C)

Day 7: CWI Examination



Seminar and Exam Fees

- **Training Fees** – INR 22000 inclusive of Taxes (Non – Residential) in favor to “Eurotech Assessment And Certification Services Pvt Ltd” { D.D./Cheque / Online payment accepted }
- **Examination Fees** – DD of USD 900 in favor to “American Welding Society” (DD SHOULD BE PAYBLE AT USA)
- You can pay Rs 22000/-(Training Fees) to confirm your registration.

- **Fee is inclusive of -**

Course material { For training purpose} 7 day lunch + high Tea

6 days trainings

1 day (Part A, B, C) examination

- **Find the Bank Detail -**

All Payments to be made in Favour of “Eurotech Assessment and Certification Services Pvt. Ltd.”

Company Name:-Eurotech Assessment and Certification Services Pvt. Ltd.

Current A/c No:- 914020034256787

Bank :- Axis Bank Ltd, Manimajra Branch

IFSC Code : UTIB0000480

SWIFT Code :- AXISINBB041

Bank Address :- Manimajra, Chandigarh-160101, India

Seminar and Exam Documents Required

1. AWS application form
2. Eurotech training registration form
3. Visual actuality record
4. Experience Certificates
5. Education qualification Proof
6. Passport copy or any ID proof
7. 2 Passport Size Photograph with following specification. In colour printed on photo quality paper 2 x 2 inches (51 x 51 mm) in size (With White Back Ground)



Seminar photos



Seminar photos



Seminar photos



Seminar photos



Reference Documents for Exam

Number	Title	Applicability
ANSI Z49.1	Safety in Welding, Cutting, and Allied Products	CAWI CWI SCWI
AWS A1.1	Metric Practice Guide for the Welding Industry	
AWS A2.4	Standard Symbols for Welding, Brazing, and Nondestructive Examination	
AWS A3.0	Standard Welding Terms and Definitions	
AWS B1.10	Guide for the Nondestructive Examination of Welds	
AWS B1.11	Guide for the Visual Inspection of Welds	
AWS B2.1	Specification for Welding Procedure and Performance Qualification	
AWS B4.0	Standard Methods for Mechanical Testing of Welds	
AWS B5.1	Specification for the Qualification of Welding Inspectors	

Reference Documents for Exam

Number	Title	Applicability
AWS QC1	Standard for AWS Certification of Welding Inspectors	CAWI CWI SCWI
AWS	Certification Manual for Welding Inspection	
AWS	Welding Inspection Handbook	
AWS	Welding Handbook, Vol. 1: Welding Science & Technology	
AWS	Welding Handbook, Vol. 2: Welding Processes	
AWS	Welding Handbook, Vol. 3: Materials and Applications Part I	
AWS	Welding Handbook, Vol. 4: Materials and Applications Part II	
ISO 9001	Quality Management Systems—Requirements	
ASNT SNT-TC-1A	Recommended Practice: Personnel Qualification and Certification in Nondestructive Testing	CWI/SCWI

Eurotech's AWS CWI Exam Schedule for 2016 in India

Sr. No.	Site Code	Month	Seminar Dates	Exam Date	City
1	IN39716	January	19 th Jan. to 24 th Jan.	25 th January	Chennai
2	IN39816	February	16 th Feb. to 21 st Feb.	22 nd February	Mumbai
3	IN39916	February	22 nd Feb. to 27 th Feb.	28 th February	Delhi
4	IN40016	March	6 th March to 11 th March	12 th March	Chennai
5	IN40116	March	27 th March to 1 st April	2 nd April	Ahmedabad
6	IN40216	April	22 nd April to 27 th April	28 th April	Coimbatore
7	IN40316	May	16 th May to 21 st May	22 nd May	Mumbai
8	IN40416	May	22 nd May to 27 th May	28 th May	Delhi
9	IN40516	June	9 th June to 14 th June	15 th June	Pondicherry
10	IN40616	July	1 st July to 6 th July	7 th July	Ahmedabad
11	IN40716	July	14 th July to 19 th July	20 th July	Chennai
12	IN40816	August	7 th Aug. to 12 th Aug.	13 th August	Mumbai
13	IN40916	August	27 th Aug. to 2 nd Sep.	3 rd September	Chennai
14	IN41016	September	9 th Sep. to 14 th Sep.	15 th September	Delhi
15	IN41116	October	13 th Oct. to 18 th Oct.	19 th October	Ahmedabad
16	IN41216	November	4 th Nov. to 9 th Nov.	10 th November	Coimbatore
17	IN41316	November	14 th Nov. to 19 th Nov.	20 th November	Mumbai
18	IN41416	December	6 th Dec. to 11 th Dec.	12 th December	Chennai
19	IN41516	December	17 th Dec. to 22 nd Dec.	23 rd December	Ahmedabad

Check your knowledge in Welding

- Yes, here EUROTECH ACSPL provides Online Dummy Exam to check your ability In “The Field of Welding”.
- To give Online Dummy Exam, please follow below link, it will direct you to the Exam instantly.

<http://eurotechworld.net/competency/register.php>

Want Job ?

[Eurotech has alliance with jobs4welding.com for welding jobs](#)



You can register free in the below our job portal for the welding related jobs

www.jobs4welding.com

➤ Job Titles

[Welding Supervisor Jobs](#)

[Fabrication Manager Jobs](#)

[Welding Technician Jobs](#)

[Welding Inspector Level III Jobs](#)

[Welding Engineer Jobs](#)

[Semi Automatic Welding jobs](#)

[Welder Fitter jobs](#)

[Welding Project Inspection Jobs](#)

[Welding Technologist Jobs](#)

[Welding Inspector Level II Jobs](#)

[Welding QC/QA Engineer Jobs](#)

[Welding Inspector AWS-CWI/CSWIP Jobs](#)

[Robotic Welding jobs](#)

[Certified Welding Inspector Jobs](#)



Need more help ?



❖ For more Information regarding AWS CWI Program or Registration or Queries, Please contact:

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Mobile No. **+91-8196980555**

India Offices: Delhi, Mumbai, Panchkula, Ahmedabad, Chennai.

International Offices: UK, USA, Ireland.

Alliances

✓ Eurocert



✓ American Welding Society



✓ ITC (India) Pvt. Ltd.



✓ Euro Inspections



✓ Jobs4Welding.com



References

- www.eurotechworld.net
- www.jobs4welding.com
- www.aws.org