



ADVANCE INSTITUTE OF WELDING TECHNOLOGY

(Welding Consultancy, Training, Testing, Certification & Fabrication)

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WELDER SKILL DEVELOPMENT CERTIFICATION SCHEME

1. Certification Scheme

Sl. No	Certification Code	Description of Certification Scheme as per International Standard	Competence Requirements	Prerequisites
1	OFW & Brazing	Gas welding, Brazing & Braze Welding	Should have adequate experience in OFW & Brazing	Min. VIII – Passed Age : Min. 18 Years completed Basic training in welding at AIWT or any other institute or experience in welding process from any industry
2	AIWT- SMAW PLATE	Certification in Shielded Metal Arc Welding on carbon steel Plate	6 to 12 months field experience in the process	
3	AIWT- SMAW PIPE	Certification in Shielded Metal Arc Welding on carbon steel Pipe	Min. 12 months field experience in the process	
4	AIWT- GTAW PLATE	Certification in Gas Tungsten Arc Welding (TIG) on carbon steel Plate	6 to 12 months field experience in the process	
5	AIWT- GTAW PIPE	Certification in Gas Tungsten Arc Welding (TIG) on carbon steel Pipe	Min. 12 months field experience in the process	
6	AIWT- GMAW PLATE	Certification in Gas Shielded Metal Arc Welding (MIG / MAG) on carbon steel Plate	6 to 12 months field experience in the process	
7	AIWT- FCAW PLATE	Certification in Flux Cored Arc Welding on carbon steel Plate	6 to 12 months field experience in the process	
8	AIWT- SS & AL PLATE	Certification in TIG or MIG processes on Stainless Steel & Aluminium Plates	Min. 12 months field experience in the process	

Certification will be provided as per the international standards of ASME Section IX, AWS & ISO 15614



2. Job & Task Description

Become SMAW or MIG or TIG welder in Structural, boiler, Small, medium and Heavy Fabrication, oil piping (refinery), Marine etc.

- 1) Able to join metals using welding process
- 2) Connection of welding machines with power and welding cable
- 3) Identification and use of proper welding rod or filler Material
- 4) Safety when working in welding process
- 5) Comply with industrial standard and requirements in welding
- 6) Able to work in any situation globally as a welder
- 7) Able to undertake welding under any international standard

3. Abilities

The candidate should have the following abilities to attend the examination.

- 1) The candidate should able to Stand, Stoop, Bend and Sit Ability to lift normal,
- 2) Ability to work overhead position,
- 3) Clear Vision to identify the work under black glasses
- 4) Ability to identify the causes of electric shock.

4. Assessment / Examination

Each scheme shall have weightage of 80 marks in practical and 20 marks in Theory.

The candidate should score a minimum of 70% in practical and 40% in theory to issue the certificate.

5. Renewal Period

The Renewal period for each certification is 2 years from the date of Certification as per international standard

6. Re Certification criteria

The recertification has been carried out as per recertification procedure (Pro. No . : QSP 18) which mainly considers the following.

1. Take the exam 1 month before ends the validity of certificate.
2. Submit the proof of continuing satisfactory work and work experience.
3. Prove physical capability in relation to the competence concerned.
4. Recertification examination will be done according to the Qualified WPS.



7. Suspension of certification.

The suspension of certification has been carried out as per Suspending, Withdrawing and reducing the scope of certification procedure (Pro. No. : QSP-09) which considers the following.

1. Suspension involves, restriction to the certified personnel to use the certificate for the benefit of employment of person or other competence requirements if:
 - a. The candidate has persistently or seriously failed to meet certification norms
 - b. The candidate was declined re-certification at frequencies
 - c. The candidate is found to misuse or the certificate is using any kind of misleading statement which might affect the reputation of the Institute.
2. Upon suspension, AIWT website will be updated indication that said candidate's certificate is suspended.
3. A formal notice will be issued to the candidate with a request to give an explanation within 15 days. If he fails to provide the explanation within the stipulated period, the certificate will be withdrawn.
4. During the suspension period the certificate shall remain invalid temporarily
5. During suspension period the person will not be allowed to use certificate for the benefit of an employment or other competence requirement

8. Withdrawal of the certificate

The withdrawal of certificate has been carried out as per Suspending, Withdrawing and Reducing the scope of certification procedure (Pro. No. : QSP-09) which considers the following.

1. Withdrawal involves return of the certificate to the Institute during period of validity
2. Withdrawal of certification shall be initiated in the following situations,
 - a. The candidate does not meet the conditions of suspension
 - b. The candidate explanation is not accurate and misleading to the scope of certification even after remainders
3. After withdrawal of certification, AIWT website well be updated that the certification is withdrawn
4. After withdrawal, the person should not involve in any misuse of certificate for the benefit of his employment and competence requirements
5. After withdrawn the person should surrender the certificate to AIWT or Institute has closed down the records of the certificate

9. Changes in Certification scheme

Whenever there are changes in the certification scheme including specific methods and mechanisms required or standard, AIWT shall upload the same on the website and ensure that these changes are communicated to all existing certified persons through email. The implementation of changes will be made affective from the specified date and all relevant documents shall be modified. if changes require any recertification of certified candidates, a reasonable time limit will be specified and communicated to all certified persons.