

## Benefits to industry

- The IIW qualification system creates a pool of competent personnel at all levels from welders to welding engineers of international standards.
- Enables manufacturing industry to comply with ISO 3834 (Quality Requirement for Welding), ISO 14731 (Welding Co-ordination Task & Responsibilities) and ISO 3834-5 (Welding Inspectors) for branding purposes and export requirements.
- ANB-India can act as a one stop solution for WPS, PQR & Welder certification as per national and international codes, and welding inspector certification under NWICS.

## Benefits for individuals

- International diploma provides enhanced job opportunities in manufacturing and construction industry, particularly at overseas locations.
- Will gain enough skill to propel his/her organization to be competitive and produce international quality products/services, thereby merging the gap between national and international players.

More information is provided in the website: [www.iiwindia.com](http://www.iiwindia.com)

## INDUSTRY ORIENTED INTERNATIONAL QUALIFICATIONS IN WELDING



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### THE INDIAN INSTITUTE OF WELDING

(A Responsible Member Society of the International Institute of Welding)



**ANB - India**  
**Authorized Nominated Body**  
**of the International Institute of Welding**

## About ANB-India and International Qualifications

IIW-India ANB is a division of *The Indian Institute of Welding*. The *International Institute of Welding* (IIW) has accredited ANB-India to operate its international training programs and examinations offering different diploma awards. The courses are administered by the International Authorization Board (IAB), a wing of IIW, developed through international collaborations and implemented worldwide to create benchmark standard welding personnel and thereby facilitate industry to deliver high quality products and services. The two categories of qualification presently offered in India are:

### 1 International Welding Coordination Personnel levels

(Exceeding competency given in ISO 14731)

- i. IWE - International Welding Engineer
- ii. IWT - International Welding Technologist
- iii. IWS - International Welding Specialist
- iv. IWP - International Welding Practitioner

Note: Applicable version of IAB 252 (for Standard Route) / IAB 442 (for Alternative Route) guidelines will be followed.

### 2 International Welder

(Best on knowledge and practical competency in various welding processes, materials and joint types conforming to ISO 9606, ASME Sec IX, and other international standards):

**IFW** (fillet), **IPW** (plate) & **ITW** (tube/pipe)

Note: Applicable version of IAB 089 guideline will be followed.

## Routes for obtaining International Welding Coordination Personnel Qualifications

### 1 Standard Route

- Candidates should meet the IAB approved access conditions, which includes academic qualification.
- Involves study at an ANB-India Approved Training Body (ATB), which could be a university, technical institute/college or a corporate institute isolated from its business operation.
- The courses are designed as per the syllabus laid down by IAB guidelines.
- Examinations are conducted by ANB-India at the end of the training period for qualification of diplomas.

Note: Presently IWE, IWT & IW qualifications are offered by ANB-India.

### 2 Alternative Route

- Applicants should meet the IAB approved access conditions relevant prior knowledge and four years of appropriate welding experience.
- The assessment of prior knowledge is carried out through an elaborate IAB prescribed process (Ref. Applicable version of IAB 442 guideline).
- If the application is found acceptable, the candidate shall be allowed to appear for the regular examination like the standard route.

Note: i. Candidates may be exempted from attending few or all of the course modules offered for Standard route candidates at an ATB, based on verified prior knowledge. ii. Presently IWE and IWT qualifications are offered by ANB-India.

### 3 Transition Route

- Applicants should meet the IAB approved access conditions and a specified transition criteria as of January 3, 2011 for IWE/ IWT/ IWS/ IWP diploma.
- Candidates are required to attend a refresher course designed by ANB-India.
- The candidates are required to be successful in written and oral examination for diploma qualification.

## Method for obtaining International Welder Qualification

- The candidates must meet the IAB approved requirements like minimum age, secondary education with basic English communication ability, preferably with prior experience in metal working and good health fit for industry.
- Involves theoretical and practical training at an ANB-India Approved Training Body (ATB).
- The courses are laid out for three specific levels, viz. i. Fillet welder (IFW); ii. International Plate Welder (IPW); and, iii. International Tube Welder (ITW) based on the welding process and materials for welding.
- A theoretical examination is conducted on completion of the three theoretical modules A, B, C and an optional module P (for aluminium and stainless steel). Practical tests are also conducted for the different levels for qualification purpose.

## Functions of IIW-ANB India

IAB is constantly working to (i) harmonize qualification and certification system for personnel, and (ii) certification system for corporates, aligned with advances in technology and evolution of market needs. IIW-ANB India is responsible to administer qualification and certification programs in India according to the quality management system developed according to IAB guidelines. This includes:

- Appoint ATBs to conduct regular classes as per IIW syllabus.
- Control admission of candidates to ATBs for standard route curriculum.
- Conduct theoretical and practical examinations after completion of the courses at ATBs.
- Manages alternative route course that includes verifying candidate eligibility and conducting examination.
- Conduct refresher courses for candidates seeking qualification by Transition arrangement for transition qualification.
- Conduct seminars and workshops for professionals seeking knowledge/skill/competency upgradation.
- Award IIW diploma and certificates to successful candidates.