



# The Indian Institute of Welding-ANB

Authorised Nominated Body of  
International Institute of Welding

INFORMATION BROCHURE

INSPECTION PERSONNEL (IWIP)



The Indian Institute Of Welding has been authorised by IIW as its 'Authorised Nominated Body' (ANB) in India to operate its above international scheme following IAB Guideline 041(Latest Version) and award various International Welding Diplomas including the International Welding Inspector Diplomas to welding personnel at Comprehensive (IWE-C), Standard (IWI-S) and Basic (IWI-B) levels. (<http://www.iiwindia.com/welding-inspection.php>)

The Standard 'ISO: 3834-Fusion Welding of metallic material for Welding' is applicable in any manufacturing unit using welding and allied processes in a workshop as a quality assurance system. The quality system certification as per ISO 3834-2 & 3 clause no 7.3 require involvement of International Welding Coordination Personnel & Inspectors specifically mentioned in ISO 3834-5 (Annexure A-Guidelines on qualification/education scheme for dealing with welding coordination and inspection) clearly mentions International Welding Inspection Personnel (IWIP) of International Institute of Welding as the preferred qualification to comply with the requirement for Welding Coordination for welding Inspection.

## 1. Role of the Inspector

The Inspector's role begins well before welding starts, continues during welding operation, involves action after welding is completed, and is finished only when the results are properly reported.

- ✓ As a part of a quality system, inspection activities are defined in an inspection and test plan, which clearly describes what, is required. The inspector is frequently responsible for producing documents that ensure traceability of the components and related fabricating action.
- ✓ Prior to welding, the inspector must be assured that the base materials and consumables are correct and the shop has approved welding procedures and appropriately qualified welders.
- ✓ Once the inspector is satisfied that all is in order for welding to proceed, the task becomes one of witnessing and monitoring. There are two basic interests at this point, ensuring that written procedures are followed and of course, watching for any physical sign of non-conformance of the final product.
- ✓ Heat treatment (such as preheating, post heating and post weld heat treatment) can be a critical parameter in a welding operation and the inspector is often required to ensure that it has been done according to an approved written procedure. The inspector must know enough to instil confidence in the result.

## 2. Benefit

The IWIP qualification system, administered by ANB India will provide a pool of welding inspectors at all levels, trained to international standard for industry. This will also enable industry to fulfil the overall future requirements of ISO 3834 (Quality Requirement for Welding) as well as ISO 14731 (Welding Co-ordination Task and Responsibilities).

## 3.0 International Welding Inspection Personnel (Routes to Qualification)

**Standard Route:** Involves study at an Approved Training Institute (ATB) and examination as per full syllabus and being successful in the ANB conducted Examinations as per IAB Guideline.

**Alternative Route:** Involves reduced hours of study as per prior proved qualification and examination as above.

**Transition Route:** For experienced candidates with approved qualification criteria achieved on or before 13<sup>th</sup> January 2014 as per Table below and involves 6 day refresher course followed by written test and interview or professional interview in Option 1. This is the only route available presently.

## 4.0 Transition Route

Open to suitably qualified and experienced candidates only as per Transition Criteria overleaf subject to their passing a professional interview in option 1. For other options the candidate is to attend a short 6 day Refresher Course & pass a written examination & interview to be conducted by IIW-India ANB at various places in India, without having to go through a formal training or examination. **This one time opportunity is open indefinitely to existing professionals who meets the eligibility criteria on or before 13<sup>th</sup> Jan 2014.**

**Transition Criteria : Qualification and Experience must be acquired on or before 13<sup>th</sup> Jan 2014 to be eligible for Consideration.**

**Comprehensive**

**Option 1**

Candidates already having IWT qualification and Proved experience of 5 years out of total 7 years and qualification in NDT-Level III Or Senior Welding Inspector AWS-CWI / TWI-CSWIP 3.2 . For Further details the candidate may refer to IIW-ANB for details.

**Option 2**

- Satisfies access conditions for IWT diploma
- Candidate holding Certificate as Senior Welding Inspector AWS-CWI / TWI-CSWIP 3.2  
Or Holder of at least 3 valid NDT Level II as per ISO: 9712 / SNT –TC – 1A / IS: 13805. Two of which shall be for RT and UT and another shall be either MT or PT or VT.
- Minimum 5 years of work experience in welding and inspection out of 7 years of experience
- To attend a 6-day refresher course conducted by ANB India followed by a Test and Interview based on IWIP- Comprehensive curriculum, successfully conducted by ANB - India

**Standard**

**Option: 1**

For candidates already having IWS qualification and Proved experience of 5 years out of total 7 years and qualification in NDT/ Welding Inspector AWS-CWI / TWI-CSWIP 3-1. For Further details the candidate may refer to IIW-ANB or visit our Website

**Option: 2**

- Candidate who has an AMI IW degree of The Indian Institute of Welding
- Candidate holding Certificate as Welding Inspector AWS-CWI / TWI-CSWIP 3-1  
Or Holder of at least 2 valid NDT Level II certificates as per ISO: 9712 / SNT –TC – 1A / IS: 13805. One of which shall be either RT or UT and another shall be either RT or UT or MT or PT
- Minimum 5 years of work experience in welding and inspection out of 7 years of experience
- Having passed an assessment professional interview as per IWIP – S content, successfully, conducted by ANB - India.
- To attend a 6-day refresher course conducted by ANB India followed by a Test and Interview based on IWIP- Standard curriculum, successfully conducted by ANB - India

**Option 3**

- Satisfies access conditions for IWS
- Candidate holding Certificate as Welding Inspector AWS-CWI / TWI-CSWIP 3.1  
Or Holder of at least 3 valid NDT Level II certificates as per ISO: 9712 / SNT –TC – 1A / IS: 13805. Two of which shall be for RT and UT and another shall be either MT or PT or VT.
- Minimum 5 years of work experience in welding and inspection out of 7 years of experience
- To attend a 6-day refresher course conducted by ANB India followed by a Test and Interview based on IWIP- Standard curriculum, successfully conducted by ANB - India

**Basic**

**Option: 1**

For candidates already having IWP qualification and Proved experience of 5 years out of total 7 years and qualification in NDT/ Associated Welding Inspector AWS-CAWI / TWI-CSWIP 3.0. For Further details the candidate may refer to IIW-ANB or visit our Website

**Option: 2**

- Satisfies access conditions for IWP
- Candidate holding Certificate as Associated Welding Inspector AWS-CAWI / TWI-CSWIP 3.0  
Or Holder of at least 2 valid certificates one of which should be Level II and another of Level I as per ISO: 9712 / SNT – TC – 1A, IS 13805 one of which shall be either RT or UT and another shall be MT or PT.
- Minimum 4 years of work experience in welding and inspection out of 6 years of experience  
To attend a 6-day refresher course conducted by ANB India followed by a Test and Interview based on IWIP- Basic curriculum, successfully conducted by ANB - India

**5.0 Procedure for Enrolment for Transition**

**Option 2:** Intending Candidates for Transition may verify his eligibility from the Transition Criteria and apply in the prescribed Form (May be downloaded from our Website) along with Application Fees, all Testimonials and Certificates duly attested. Candidates may directly contact us at the mail address given below for any clarification



**The Indian Institute of Welding - ANB**

Authorised Nominated Body of the International Institute of Welding in India

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