



## International Welding Coordination Personnel (IWE & IWT)

**More than fulfils the requirements under: ISO 14731**

### **How to Apply by Alternative Route** **FOR IWE & IWT QUALIFICATION**

There are various routes to qualify to become an IWE, IWT or IWS. The Standard route requires a candidate meeting the access condition summary as given in the Table1 below, to be eligible to attend an Approved Training Institute (ATB) involving about 450 hours of lesson (IWE)& study followed by Full examination in 4 Modules. The course guideline is IAB 252r5-2019. This may take 4-5 months.

The Alternative route does not involve fulltime study at an ATB. This option is available for candidates (Presently only for IWE & IWT) having minimum 4 years relevant experience in welding and related area with responsibility. **The Alternative Route is aimed at individuals who may already have experience of the job function at a particular level without holding the appropriate qualification diploma.** They already have gained full or part knowledge of the syllabus defined in course guideline IAB 252r5-2019SV (refer to Clause 2.2 & 4.2.1 Diagram 5 & 6) and ready to face the examination and interview without any structured lesson input in any of the Modules.

**TABLE 1**

	Diploma	Access & Eligibility Condition for Alternative Route
1	<b>Engineer (IWE)</b>	<b>Option 1:</b> Degree in Engineering/AMIW or equivalent professional Qualification
2	<b>Technologist (IWT)</b>	<b>Option 1:</b> Diploma in Engineering with minimum 3 years study after Secondary Education

Routes to Qualification <http://iiwindia.com/personnel-qualification-certification/qualifications/routes-to-qualifications/>

The intending Candidate of Alternative Route is required to apply in a Prescribed Application Form which is a detailed evaluation checklist and there are pages for topics under each 4 modules. Before filling up this section, the candidate must critically go through pages 5 to 8, 15 & 16 of IAB-252r5-19-SV01-January 2019-Personnel-Responsibility-Welding-Coordination (already available in our Application Folder) to ensure that his/ her current knowledge is adequate to cover the curriculum so that he/ she will be able sit for the final examination with/ without some additional inputs from different resources. The extract from course curriculum is given below in Table 2:

**TABLE 2 (Guideline IIV-IAB 252r5 2019)**

	Modules of Theoretical Education and Fundamental practical skills	Teaching Hours	
		IWE	IWT
1	Welding Process and Equipment - Mod 1	95	86
2	Materials and their behaviour during welding – Mod 2	115	96
3	Construction and Design – Mod 3	62	44
4	Fabrication, application engineering – Mod 4	116	83
5	Theoretical Subtotal (Part 1)	388	309
6	Fundamental Practical skills (Part 2)	60	60
	<b>Recommended Minimum Total Lesson Hours</b>	<b>448</b>	<b>369</b>

Under the pandemic environment, at present, maximum work is being carried out online. Processing of application, Project submission & evaluation, Project & Final Interview etc. are conducted online. One only has to be present physically in the Examination Centre for Final exam.

## **STEP BY STEP GUIDE FOR APPLICATION FOR AND AWARD OF IWCP DIPLOMA**

1. All enquiries are to be sent to [enq.anb@iiwindia.com](mailto:enq.anb@iiwindia.com) along with a CV detailing Educational qualifications and Work experience. **Use your personal mail ID only.**
2. If your credentials are not clear from CV, Team Enquiry will send you a Preliminary Information Form (PIF) to get a clearer picture. Based on you CV/ PIF, Team Enquiry will send you a link for a set of 'Application Document' through Google Drive with your prima facie eligibility (IWE/ IWT) and detailed instruction on how to submit **Application Form No.: ANB-INDIA:F:CAF:44 Rev: 08 Oct'20** and other documents.
3. Go through the instructions carefully and fill up Application form and other documents as instructed. All the scanned copies must be legible and properly oriented for easy readability. **Do not submit any peripheral documents.**

It is recommended that the candidate makes an **honest** self-assessment of his/ her knowledge under Part B of each 4 modules, having various topics under each of them with weightage. If he/ she is fully knowledgeable on a topic he/ she may put full marks of the weight in the topic and in case he has no knowledge it will be zero. However, one has to score minimum 50% in each module to consider him/ her reasonably knowledgeable. ANB must be satisfied with education, training and experience regarding his/her eligibility for Alternative Route and may include other test results. *It is very rare that a person will have full knowledge in each topic in each module and inflated marking will harm the candidate only by not knowing his/ her own weakness to be improved by self-learning.*

4. Name the e-folder properly and create a link with 'Share with anyone' option as instructed. Drop a mail to [anb.technical@iiwindia.com](mailto:anb.technical@iiwindia.com) with Cc as instructed, sharing the link of the e-folder and a list of documents available in it. You need to submit Application fees only (see below for details) at this stage and put the payment records in the e-folder itself.
5. **The application and documents will be scrutinised/assessed by ANB for assessing your suitability for the IWCP diploma applied for.** If accepted, you will now be asked to submit 2/ 3 Project Titles with abstracts stating the objective and methodology based on Fabrication (Application engineering) – Mod 4. *You should select topics where you have been personally involved and have gained enough understanding of the subject. These are not meant to be articles for publication in a journal or in the nature of a general survey.* You need to submit 'Registration and Project Paper check/Interview fees' only (see below for details) at this stage and put the payment records and Project Titles in the e-folder itself.
6. One of the topics will be selected by an independent Examiner (subject expert) and you will be asked to develop a full Project Report. The format and other useful documents will be provided by ANB through 'Project documents' folder. Your Registration number will also be allotted at this stage.
  - a) The Project Report is expected to be in the form of an Application case study with clearly stated problem, diagnosis and conclusion with experimental data.
  - b) In case the project is carried out at employer's place, a declaration by employer confirming the above and certifying that they have no objection if the candidates submits the project report to IIW-India ANB is needed (it is an integral part of the Final Project Report). *Hence, it is advised to keep the employer in confidence from the Project Title submission stage itself to avoid controversy in later stage.*
7. You are expected to submit the Project Report within 1 month of allotment of Project Title. In specific case, on application based on justifiable reason, the time limit may be extended.
  - a) The soft copy of the Project Report may be placed to e-folder itself.

- b) The Project Report will be evaluated by the Examiner. The shortcomings/ modifications suggested by the examiner will be conveyed to you for compliance. This will be an ongoing process till the Project Report is finally approved by the Examiner.
  - c) The final Approved Project is to be signed by both you and your employer on the **hard copy and the same is to be sent to ANB for records along with the soft copy.**
8. Once the Project Report is approved, the same will be intimated to you and a suitable Interview date will be communicated. You will be required to make a short Power Point presentation of the Project to the Interview Board where your Examiner will be a team member.
- a) Your *pre-existing knowledge as claimed in the Application Form may also be assessed.*
  - b) The Project Interview will be online through a suitable platform to enable you to attend the interview from your home/ office. You will be required to fill up and submit a Declaration in the "FORM ANB-INDIA-F-CDF-58C\_OctDeclaration\_Online Alt Rt Project Interview", which is available in our 'Application Document' folder.
9. Once you clear the Project Interview and declared eligible, you will be allowed to appear for the final examination covering Module 1, 2, 3, 4 & Oral Examination, to be conducted by ANB India, based on the full IAB curriculum.
- a) For appearing in the examination, you need to submit 'Examination and Issue of Diploma certificate fees' (see below for details) and put the payment records in the e-folder itself.
  - b) Presently online examination is not permitted by IIW-IAB and physical presence at examination centre is mandated.

**Please Note:**

- a) Pass mark is 60% in each Module combined with written and oral examination. Candidate must be successful in all the 4 modules for being eligible for the Diploma (IWE or IWT)
- b) Unlike Transition arrangement, there is no provision for offering downgraded diploma (from IWE to IWT). One has to pass in the category (IWE or IWT) he/ she has applied for.
- c) If one fails to clear any module, he/ she can reappear for that module after submitting the re-examination fees module wise subject to fulfilling conditions laid down by IIW-IAB, *and he must be able to pass all modules within 6 years from the date appearing for the first Examination*
- d) At all stages the Fees+ applicable GST/ Service tax is to be paid in advance and are not refundable. This can be made in the name of 'The Indian Institute of Welding ANB' by direct Bank transfer. The details are available in the 'Application Document' folder.
- e) The tentative calendar for Examination are normally published under 'Alternative Route' in the link <http://iiwindia.com/personnel-qualification-certification/courses-calendar> to IIW-India website iiwindia.com. **However, the same is currently suspended due to the Pandemic and Lockdown. The schedule is subject to COVID situation and Government rules applicable for conduct of examination at physical location.** So, it is advised to go through the website at short intervals for any update.

**For sending courier and routine contact**

**Mr. Tapan K Dutta: Sr. Executive - Administration & Systems, ANB-India**

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**You may also contact for clarification**

**Mr. Goutam Chowdhury: Technical Manager**

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## FEES APPLICABLE FROM July 2019

Fees Excluding GST for Alternative Route (In Rupees) Effective July 2019					
Sl. No.	Description	IWE	IWT	IWS *	IWP*
1	Application Fee	3,000	3,000		
2	Registration Fee	32,000	26,000		
	Project Paper check/Interview				
3	Final Examination of all Modules	25,000	21,000		
	Issue of Diploma Certificate				
	<b>TOTAL FEES PAYABLE</b>	<b>60,000</b>	<b>50,000</b>		Presently not being offered

- GST, Presently @18% (Our GST ID: 19AAATT5926E1ZC), or the prescribed Tax as applicable under law will be charged extra in all cases over and above the fees. These rates may be revised from time to time and the candidates are requested to verify before making any payment.
- GST registered sponsors should mention the GST number at the time of Application & registration

### **Lesson support to Alternative Route (IWE & IWT) candidates:**

- Cornerstone Academy at Chennai, the ATB of IIW-India, provides lesson materials on payment. Module wise Online classes also have been started by them from November 2020 which covers almost 80% of the curriculum (practical training and laboratory work not covered). It may be possible for a candidate to attend a module selectively. For details, the ATB may be contacted at address;

#### **Cornerstone Academy**

Plot No. 98, 1st Street, Viduthalai Nagar, S.Kolathur,  
Thoraipakkam-- Pallavaram Road, Kovilambakkam  
PO, Chennai – 600117, Mobile: +91 94444 12743, +91 90426 52750,  
e-mail: [cornerstonewelding@gmail.com](mailto:cornerstonewelding@gmail.com)

- Candidates will also gain some overall knowledge of the whole spectrum of topics if they attend the interactive Refresher Courses conducted online by IIW-India ANB covering 20 modules totalling 40 hours. However, they are not intended to cover the curriculum of 450 hours but gives the candidates a broad overview of different aspects of Fabrication Welding and helps to identify the areas for further self-study to cover the topics as in the Guideline as per IAB 252. *Many candidates attending this course found it to be very useful for identifying areas for further study.*

(for details and to join as student candidate, write to [anb@iiwindia.com](mailto:anb@iiwindia.com) separately)

### **Other useful references are**

1. IIW Guideline IAB 252r5-19SV which you are provided contains the details of learning requirement for each Modules and the examination will cover these.
2. You may visit <https://nptel.ac.in/courses/112107090/>, a site maintained by IIT for overall knowledge on welding but the same is not adequate for IWE level and one may need additional study on applications etc.
3. AWS Handbooks 5 Volumes to cover
  - I. 'Welding Science & Technology -1',
  - II. 'Welding Processes - 2 & 3',
  - III. 'Materials & Application- 4 & 5'.
4. Websites of companies like ADVANI-OERLIKON, LINCOLN ELECTRIC, MILLER, ESAB, KEMPPPI, FRONIUS, HYPER THERM etc. have wealth of information on welding/cutting processes and equipment.
5. Candidate should also refer to various Indian & ISO standards related to welding and also Standards which are commonly used in India & elsewhere i.e. EN, AWS and ASME.