

## **S-ANB Transition Arrangements For IIW Diplomas**

### **Schedule Of Fees**

Transition Arrangements (commonly known as grand-fathering process for practising qualified personnel) are the plans by which experienced individuals with the required qualifications are recognized and approved for receiving IIW diplomas of the IIW Qualification Scheme as administered by the IAB Group B on behalf of the IIW, without having to undergo the prescribed full extent of courses for the diplomas.

Approval of the Transition Arrangements has been granted to S-ANB for 3 years only, from 15 January 2008 to 15 July 2011, for the following categories of welding personnel for which practising qualified personnel may apply for IIW diplomas:

- (i) International Welding Engineer (IWE)
- (ii) International Welding Technologist (IWT)
- (iii) International Welding Specialist (IWS)
- (iv) International Welding Inspection Personnel (IWI-C, IWI-S & IWI-B)
- (v) International Welding Practitioner (IWP)

Application forms (as attached) can be downloaded from SWS web site, [www.sws.org.sg](http://www.sws.org.sg) and should be submitted duly completed and accompanied with the fees to the SWS Secretariat at the following address:

Singapore Welding Society  
S-ANB  
No. 3 Science Park Drive  
Singapore Science Park 1  
The Franklin, #02-12/25  
Singapore 188233

Practising welding personnel, welding inspectors and NDT inspectors in Singapore who have the required qualifications and experience with or without additional training requirements may apply for IIW diplomas under the Transition Arrangements Route. For those who require additional training to meet specific requirements of the respective IIW diplomas, courses at approved ATB will be mounted. In the initial stage, ATB at S-ANB advice will focus on the courses leading to IWIP qualifications since practising welding and NDT inspectors with certifications such as those from AWS, CWIP, PCN, ASNT or API form the largest group of prospective candidates for IIW diplomas under the Transition Arrangements. Courses leading to IWP and other qualifications will then follow at later stages.

After 15 July 2011 when the Transition Arrangements will end, candidates aspiring for IIW diplomas will have to go through the Standard Route which requires them to undergo the full extent of the prescribed courses and examinations.

The schedule of fees for the oral/written examinations and issue of IIW diplomas under the Transition Arrangements is, as follows:

### 1. International Welding Engineer (IWE) Diploma

Basic Educational Requirements	Additional Specific Requirements	Minimum Years of Experience	Fee (S\$)
<p>1. Engineering Degree (Bachelor Degree in Material Science &amp; Engineering, Mechanical &amp; Production Engineering; Metallurgical Engineering, Civil Engineering, Electrical Engineering or other equivalent qualifications)</p> <p><del>2. Professional Engineer qualifications under the Professional Engineers Board of Singapore</del></p>	<p>(i) 80 hours of special course on Part 3 of the IWE syllabus approved by S-ANB, and</p> <p>(ii) Written examination and professional interview to assess knowledge against IIW curriculum for IWE</p>	<p>Minimum five (5) years as welding engineer equivalent to IWE level in the last eight (8) years</p>	<p>1,075.00</p> <p>(not inclusive of fee for the special course)</p>

### 2. International Welding Technologist (IWT) Diploma

Basic Educational Requirements	Additional Specific Requirements	Minimum Years of Experience	Fee (S\$)
<p>1. Engineering Degree (Bachelor Degree in Material Science &amp; Engineering, Mechanical &amp; Production Engineering; Metallurgical Engineering, Civil Engineering, Electrical Engineering), or</p> <p>2. Polytechnic College (Diploma in Mechanical Engineering, Manufacturing Engineering, Civil Engineering, Electrical Engineering)</p>	<p>(i) 80 hours of special course on Part 3 of the IWT syllabus approved by S-ANB, and</p> <p>(ii) Written examination and professional interview to assess knowledge against IIW curriculum for IWT</p>	<p>Minimum five (5) years in welding coordination at IWT level in the last eight (8) years</p>	<p>1,075.00</p> <p>(not inclusive of fee for the special course)</p>

### 3. International Welding Specialist (IWS) Diploma

Basic Educational Requirements	Additional Specific Requirements	Minimum Years of Experience	Fee (S\$)
<p>Option A:</p> <p>1. Polytechnic College (Diploma in Mechanical Engineering, Manufacturing Engineering, Civil Engineering, Electrical Engineering), or</p> <p>2. Institute of Technical Education (Higher Nitec Technician Certificate in Mechanical Engineering, Electrical Engineering or equivalent)</p>	<p>(i) A welder training course in accordance to Part 2 of the guideline for IWS at a recognised institute, and</p> <p>(ii) 40-hr welder training refresher course approved by S-ANB in accordance with Part 3 of the IWS guideline, and</p> <p>(iii) Written and oral examinations to assess knowledge against IWS curriculum for IWS</p>	<p>Minimum three (3) years of relevant experience at IWS level in the last five (5) years</p>	<p>975.00</p> <p>(not inclusive of fees for the courses)</p>
<p>Option B:</p> <p>1. Polytechnic College (Diploma in Mechanical Engineering, Manufacturing Engineering, Civil Engineering, Electrical Engineering), or</p> <p>2. Institute of Technical Education (Higher Nitec Technician Certificate in Mechanical Engineering, Electrical Engineering or equivalent)</p>	<p>Candidates who fulfill the following conditions:</p> <p>(i) In-house welder training OJT course in accordance to Part 2 of the IWS guideline, and</p> <p>(ii) 40-hr welder training refresher course approved by S-ANB in accordance with Part 3 of the IWS guideline, and</p> <p>(iii) Written and oral examinations to assess knowledge against IWS curriculum for IWS</p>	<p>Minimum three (3) years of relevant experience at IWS level in the last five (5) years</p>	<p>975.00</p> <p>(not inclusive of fees for the courses)</p>

#### 4. International Welding Inspector – Comprehensive Level (IWI–C) Diploma

Basic Educational Requirements	Additional Specific Requirements	Minimum Years of Experience	Fee (S\$)
<p>Option A:</p> <p>1. Polytechnic College (Diploma in Mechanical Engineering, Manufacturing Engineering, Civil Engineering, Electrical Engineering), or            2. Engineering Degree (Bachelor Degree in Material Science &amp; Engineering, Mechanical &amp; Production Engineering, Metallurgical Engineering, Civil Engineering, Electrical Engineering)</p>	<p>(i) Holders of valid AWS Certified Welding Inspector (AWS CWI) or AWS Senior Certified Welding Inspector (AWS SCWI) certificates, and            (ii) Oral examination to assess knowledge against IIW curriculum for IWI-C</p>	<p>Minimum five (5) years of relevant welding technology and welding inspection experience at IWI-C level in the last eight (8) years</p>	<p>725.00</p>
<p>Option B:</p> <p>1. Polytechnic College (Diploma in Mechanical Engineering, Manufacturing Engineering, Civil Engineering, Electrical Engineering), or            2. Engineering Degree (Bachelor Degree in Material Science &amp; Engineering, Mechanical &amp; Production Engineering, Metallurgical Engineering, Civil Engineering, Electrical Engineering)</p>	<p>(i) Holder of two (2) valid ISO 9712 (e.g. BINDT PCN) Level II or III or ASNT ACCP Level II or III certificates in at least two (2) NDT methods, one of which shall be RT or UT, and another shall be PT, MT or ET, and one of these certificates shall be at least Level III, and            (ii) Oral examination to assess knowledge against IIW curriculum for IWI-C</p>	<p>Minimum five (5) yrs of relevant welding technology and welding inspection experience at IWI-C level in the last eight (8) years</p>	<p>725.00</p>

### 5. International Welding Inspector – Standard Level (IWI–S) Diploma

Basic Educational Requirements	Additional Specific Requirements	Minimum Years of Experience	Fee (S\$)
<p>Option A:</p> <p>1. Polytechnic College (Diploma in Mechanical Engineering, Manufacturing Engineering, Civil Engineering, Electrical Engineering), or</p> <p>2. Engineering Degree (Bachelor Degree in Material Science &amp; Engineering, Mechanical &amp; Production Engineering, Metallurgical Engineering, Civil Engineering, Electrical Engineering)</p>	<p>(i) Holders of a valid AWS Certified Welding Inspector (AWS CWI) or AWS Senior Certified Welding Inspector (AWS SCWI) certificates, and</p> <p>(ii) 24-hr introductory course on NDT, and</p> <p>(iii) Oral examination to assess knowledge against IIW curriculum for IWI-S</p>	<p>Minimum five (5) years of relevant welding technology and welding inspection experience at IWI-S level in the last eight (8) years</p>	<p>675.00</p> <p>(not inclusive of fee for the course)</p>
<p>Option B:</p> <p>1. Polytechnic College (Diploma in Mechanical Engineering, Manufacturing Engineering, Civil Engineering, Electrical Engineering), or</p> <p>2. Engineering Degree (Bachelor Degree in Material Science &amp; Engineering, Mechanical &amp; Production Engineering, Metallurgical Engineering, Civil Engineering, Electrical Engineering)</p>	<p>(i) Holders of two (2) valid ISO 9712 (e.g. BINDT PCN) Level II or III or ASNT ACCP Level II or III certificates in at least two (2) NDT methods, one of which shall be RT or UT, and another shall be PT, MT or ET, and</p> <p>(ii) 40-hr course approved by S-ANB on welding inspection at the minimum level of AWS Certified Welding Inspector, and</p> <p>(iii) Oral examination to assess knowledge against IIW curriculum for IWI-S</p>	<p>Minimum five (5) years of relevant welding technology and welding inspection experience at IWI-S level in the last eight (8) years</p>	<p>675.00</p> <p>(not inclusive of fee for the course)</p>

## 6. International Welding Inspector – Basic Level (IWI–B) Diploma

Basic Educational Requirements	Additional Specific Requirements	Minimum Years of Experience	Fee (S\$)
<p>Option A:</p> <p>1. Polytechnic College (Diploma in Mechanical Engineering, Manufacturing Engineering, , Civil Engineering, Electrical Engineering), or</p> <p>2. Pre-University School/ Junior College (GCE A-Level), or</p> <p>3. Institute of Technical Education (Higher Nitec Technician Certificate)</p>	<p>(i) Holders of at least a valid AWS Certified Associate Welding Inspector (CAWI) certificates, and</p> <p>(ii) 24-hr introductory course on NDT, and</p> <p>(iii) Oral examination to assess knowledge against IIW curriculum for IWI-B</p>	<p>Minimum five (5) years relevant welding technology and welding inspection experience at IWI-B level in the last eight (8) years</p>	<p>675.00</p> <p>(not inclusive of fee for the course)</p>
<p>Option B:</p> <p>1. Polytechnic College (Diploma in Mechanical Engineering, Manufacturing Engineering, , Civil Engineering, Electrical Engineering), or</p> <p>2. Pre-University School/ Junior College (GCE A-Level), or</p> <p>3. Institute of Technical Education (Higher Nitec Technician Certificate)</p>	<p>(i) Holders of two (2) valid ISO 9712 (e.g. BINDT PCN) Level II or III or ASNT ACCP Level II or III certificates in at least two (2) NDT methods, one of which shall be RT or UT, and another shall be PT, MT or ET, and</p> <p>(ii) 40-hr course approved by S-ANB on welding inspection at the minimum level of AWS Certified Welding Inspector, and</p> <p>(iii) Oral examination to assess knowledge against IIW curriculum for IWI-B</p>	<p>Minimum five (5) years relevant welding technology and welding inspection experience at IWI-B level in the last eight (8) years</p>	<p>675.00</p> <p>(not inclusive of fee for the course)</p>

## 7. International Welding Practitioner (IWP) Diploma

Basic Educational Requirements	Additional Specific Requirements	Minimum Years of Experience	Fee (S\$)
<p>Option A:</p> <p>Institute of Technical Education (Higher Nitec Technician Certificate in Mechanical Engineering, Electrical Engineering or equivalent)</p>	<p>(i) Recognised welder training course in the industry, and</p> <p>(ii) Holders of valid welder certificates according to what is defined in the IWP guidelines, and</p> <p>(iii) 40-hr welder training refresher course approved by S-ANB, and</p> <p>(iv) Written examination and professional interview to assess knowledge against IWP curriculum for IWP</p>	<p>Minimum three (3) years of professional experience at IWP level in industry in the last five (5) years</p>	<p>675.00</p> <p>(not inclusive of fee for the course)</p>
<p>Option B:</p> <p>Institute of Technical Education (Nitec Technician Certificate in Mechanical Technology, Electrical Technology or equivalent)</p>	<p>(i) In-house welder training programme and OJT in welding acceptable to S-ANB, and</p> <p>(ii) Holders of valid welder certificates according to what is defined in the IWP guideline, and</p> <p>(iii) 40-hr welding training refresher course approved by S-ANB, and</p> <p>(iv) Written examination and professional interview to assess knowledge against IWP curriculum for IWP</p>	<p>Minimum five (5) years of professional experience at IWP level in industry in the last eight (8) years</p>	<p>675.00</p> <p>(not inclusive of fee for the course)</p>