



# Senior Welding Inspector - Level 3



### Suitable for

Experienced welding inspectors and quality control staff, especially those who are proceeding to the CSWIP Senior Welding Inspector examination. It is essential that course members have a knowledge of the subjects covered in the course Welding Inspector before joining this course.

It is the responsibility of the examination candidates to either hold CSWIP Welding Inspector or consider attending the Welding Inspector course and examination (WIS5E) prior to this course/examination. The CSWIP Senior Welding Inspector course covers a wide range of subjects and therefore it is advisable for the student to do some preparation before attending the course.

### Entry requirements

- \* Certified Welding Inspector (Level 2) for a minimum of 2 years with job responsibilities in the areas listed in 1.2.1, 1.2.2 and 1.2.3 of CSWIP document WI-6-92 OR
- \* 5 years' authenticated experience related to the duties and responsibilities listed in Clause 1.2.3, independently verified

In either case above candidates must hold a valid CSWIP Level 2 (3.1) certificate.

In addition to the above, candidates must comply with Clause 1.3.4 of document WI-6-92 available at [www.cswip.com](http://www.cswip.com)

### Certification/Awarding Body

CSWIP

- Course Duration** : 8 days Training + 1or2 days Examination
- Course Timing** : Sunday 9:00 AM to 5:30 PM  
Monday to Saturday 6:00 PM to 10:00 PM
- Course & Exam Fees** : S\$ 2750 + GST (without RI)  
S\$ 3050 + GST (with RI)

### Course content

QA and QC; destructive testing; heat treatments; welding procedures; welding dissimilar; residual stress and distortion; weldability; weld fractures; welding symbols; non-destructive testing; welding consumables; weld repairs; specifications; joint design; HSLA and quenched and tempered steels; arc energy and heat input.

As can be seen from the above, there are sixteen different subjects and therefore a good prior knowledge or preparatory work of these would give any student a significant advantage before they attempt the course and examination.

The CSWIP Senior Welding Inspector course builds on knowledge from the CSWIP Welding Inspector course, therefore it is advisable to refresh knowledge by reading the course material.

There are various sources where a student can gain knowledge of the subjects mentioned.

Here is a list of good welding handbooks which can be purchased:

- \* A C Davies The science and Practice of Welding & The Practice of Welding
- \* AWS Welding Handbook Volumes One and Two
- \* Jeffus Welding Principles and applications

Although this course covers most of the syllabus for the examination it does not include training in interpretation of radiographs. Examination candidates who do not possess a current CSWIP or PCN Radiographic Interpreter's certificate should attend the Interpretation of Radiographs - Part B (light and dense metal welds) course and examination.

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