



CSWIP Senior Welding Inspector – Level 3

Duration

5 days

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 3.1 or consider attending the Welding Inspector course and examination (WIS5E) prior to this course/examination.

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

Certification/Awarding Body

CSWIP

Course content

Function and responsibilities of a senior welding inspector; defects in welds; weld symbol interpretation; interpretation of NDT reports; documentation of welding; approval and certification procedures; general principles of supervision; case studies; planning; organisation; interpretation of fractured surfaces; auditing; practice in typical examination questions; course assessments.

Objectives

- To understand the various facets of welding and quality control
- To assess the validity of a welding procedure
- To recognise origins of weld defects
- To interpret features of a fracture surface and prepare detailed reports
- To scrutinise and correct inspection reports
- To plan, organise and supervise use of skilled inspectors and NDT personnel
- To conduct pre-, during and post welding audits
- To be in a position to pass the relevant examination

Additional information

Enrolment on this course does not constitute reservation of an examination. All courses may be followed by a CSWIP Welding Inspector examination for candidates with appropriate experience as specified in CSWIP document WI-6-92. See CSWIP document available for download from the CSWIP website.

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.