



CSWIP 3.2 – Senior Welding Inspector

OBJECTIVES

- To understand the various facets of welding inspection 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

COURSE CONTENT

- An introduction to the welding processes
- Codes and standards
- Parent material identity
- Welding consumables identity
- Pre-weld inspection
- Preheating
- Post weld visual inspection
- In-process welding surveillance
- Supervision of Visual Welding Inspectors in the conduct of activities (a) to (h) above.
- Welding procedures
- Witnessing of welder and procedure approval tests
- Welder approvals
- Post weld heat treatment
- Preparation of inspection Reports
- Supervision of Welding Inspectors and Visual Welding Inspectors in the conduct of activities (a) to (n) above as appropriate
- Certification of compliance specification have been met.
- Weld drawings Interpretation of weld drawings and weld symbols

TARGET GROUP

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 REQUIREMENT

- 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.

DURATION

1 Weeks

VALIDITY

5 Years

LOCATION

Malaysia



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