

CSWIP 3.1 – Welding Inspector



COURSE CONTENT

- a) An introduction to the welding processes
- b) Codes and standards
- c) Parent material identity
- d) Welding consumables identity
- e) Pre-weld inspection
- f) Preheating
- g) Post weld visual inspection
- h) In-process welding surveillance
- i) Supervision of Visual Welding Inspectors in the conduct of activities (a) to (h) above.
- j) Welding procedures
- k) Witnessing of welder and procedure approval tests
- l) Welder approvals
- m) Post weld heat treatment
- n) Preparation of inspection Reports

VALIDITY

5 Years

DURATION

1 Weeks

LOCATION

Malaysia

OBJECTIVES

- To understand factors which influence the quality of fusion welds in steels
- To recognise characteristics of commonly used welding processes in relation to quality control
- To interpret drawing instructions and symbols to ensure that specifications are met
- To set up and report on inspection of welds, macrosections and other mechanical tests
- To assess and report on welds to acceptance levels
- To confirm that incoming material meets stipulated requirements and recognise the effects on weld quality of departure from specification
- To be in a position to pass the Welding Inspector - Level 2 examinations

TARGET GROUP

Inspection engineers and supervisory staff. The course is ideal for inspectors requiring preparation for the CSWIP examinations - Welding Inspector

ENTRY REQUIREMENT

- Welding Inspector for a minimum of 3 years with experience related to the duties and responsibilities listed in Clause 1.2.2 of CSWIP document WI-6-92, under qualified supervision, independently verified OR
- Certified Visual Welding Inspector (Level 1) for a minimum of 2 years with job responsibilities in the areas listed in 1.2.1 and 1.2.2 of CSWIP document WI-6-92 OR
- Welding Instructor or Welding Foreman/Supervisor for a minimum of 5 years



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