



CSWIP 3.0 – Visual Welding Inspector

OBJECTIVES

- To identify various weld imperfections (defects)
- To understand the relevant welding technology related to visual inspection
- To understand the need for documentation in welding
- To be aware of codes and standards related to inspection requirements
- To carry out inspection of parent materials and consumables
- To carry out visual inspection of welds, report on them and assess their compliance with specified acceptance criteria
- To pass the CSWIP 3.0 Visual Welding Inspector qualification.

COURSE CONTENT

- An introduction to the welding processes
- Codes and standards – Application of the requirement of codes and standards
- Parent material identity- Verification against documentation and markings of correctness of parent material.
- Welding consumables identity – Verification of correctness of welding consumables
- Pre-weld inspection – Verification that dimensions, fit-up and weld preparations are in accordance with the engineering
- Preheating - Verification that preheat (where required) is in accordance with specified procedures.
- Post weld visual inspection - Visual inspection and dimensional check of completed weldment against specification requirements and drawings.
- In-process welding surveillance - Surveillance during welding to verify compliance with specified procedure including any preheat, interpass temperature control and post heat requirements.

TARGET GROUP

Welders, operators, line inspectors and foremen who undertake visual examination of welded joints; quality control staff associated with welding; all staff who need basic training in welding inspection coupled with a qualification in this field.

ENTRY REQUIREMENT

Although there is no specific experience required, it is recommended that candidates possess a minimum of six months' welding-related engineering experience and two years' industrial experience.

DURATION

1 Weeks

VALIDITY

5 Years

LOCATION

Malaysia



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