



WELDING INSPECTOR

COURSE OVERVIEW

The duties and responsibilities of a welding inspector; fusion welding process; typical weld defects; types of steel; carbon-manganese, low alloy and stainless steels; hardening of steel; weldability; heat treatment; parent metal defects; visual inspection; testing parent metals and welds; destructive tests; NDT techniques; welder and procedure approval; codes and standards; outline of safe working practices; practice in examination questions; continuous and end-of-course assessment.

WHO SHOULD ATTEND

- ✓ Inspection Engineers
- ✓ Supervisory Staff
- ✓ Ideal for inspectors requiring preparation for CSWIP examination as Welding Inspector (3.1)

OBJECTIVE

- ✓ Understand factors which influence the quality of fusion weld in steel
- ✓ Recognise characteristics of commonly used welding process in relation to quality control
- ✓ Interpret drawing instructions and symbols to ensure that specifications are met
- ✓ Set up and report on inspection of welds, macrosections and other mechanical test
- ✓ Access and report on welds to acceptable levels
- ✓ Confirm that incoming materials meets stipulated requirements and recognize the effects on weld quality of departure from specification
- ✓ Be in position to pass the CSWIP Welding Inspector 3.1 examination

COURSE OUTLINE

1) Materials

- **Size** : Thickness, Lengths, Diametres
- **Type** : Grade composition against documentation
- **Condition** : Cleanliness and surface for welding
- **Heat Treatment** : Condition and distortion

2) Welding Process

3) Welding Procedures and Welder Approvals and Their Control

4) Quality Control of Welding

5) Destructive Tests

6) Non-Destructive Testing

7) Weld Defects

8) Distortion

9) Reporting

TRAINER

PESDC has a panel of professionally qualified, well-trained and industrially experienced technical trainers.

COURSE FEE (TECH-W06)

RM 1580.00 per pax (member)

RM1,680.00 per pax (non-member)

(Inclusive of course materials, lunch, refreshment)

Certificate of Achievement will be awarded upon successful completion

**SBL
claimable**

COURSE DETAILS

Duration : 5 days

Date :

Time : 9.00am to 5.00pm

Venue : PESDC Training Complex

For Further Enquiries, please contact:

Mr Thillai or Mr Jeremy Lai

PESDC Training Complex

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