

## WELDING INSPECTOR (WI-WI2)

### OBJECTIVES

At the end of the course, attendees shall be able to:

- Understand the requirements of relevant codes, standards and specifications;
- Possess an understanding of the relationship between quality assurance, welding and inspection procedures;
- Confirm that welding operators and welders have been properly qualified
- Confirm during welding that only specified and accepted welding procedures are used
- Examine and evaluate welds according to the prescribed inspection procedures;
- Review NDT reports on welding work
- Record welding inspection results
- Implement a system of quality control over the welding and inspection process;
- Possess an understanding of the factors influencing the formation of weld defects
- Interpret weld drawings and specifications
- Compile and maintain detailed weld inspection records
- Meets syllabus requirements for Level 2 – PCN or EN 473

#### Duration

8 days

#### SSTC Member

RM7,239.80

#### Non SSTC Member

RM7,345.80

#### SME Training Grant

RM2,203.74

\*all rates are inclusive of  
6% GST

### COURSE CONTENTS

The following are some of the training contents with regards to Weld Inspection.

- Responsibilities & Duties of welding inspectors
- A Weld Terminology and Symbols
- A brief explanation to all type of welding processes and equipment
- Welding procedures and welders test
- Thermal cutting processes
- Material Inspections and Steel weld metallurgy
- Weld ability of steels, Stress and distortion
- Post heat treatment, normalizing, quenching and etc.
- Visual examination and dimensional
- Mechanical testing of welded joints
- Weld defects and repairs ,Cracking
- Weld decay in austenitic stainless steel
- Welding consumables
- Welding plant and Arc welding safety
- Welding related specifications and standards
- Weld drawings, understanding and interpretation
- Weld defects related to welding process and prevention.
- Practical – Visual Welding inspection, NDT report assessment according to codes/specifications and reporting.
- Quality assurance – QA/QC and inspection

For more information or registration, contact:

Sabah Skills & Technology Centre

No. 8, Jalan 1C, KKIP Selatan, Industrial Zone 1 (IZ1), KKIP, 88460, Kota Kinabalu, Sabah

Tel: 088-496613/4 (Ms. Jennifer/ Shariffah) Fax: 088-499615,

Email: jennifer@sstc.org.my , shariffah@sstc.org.my

VISIT OUR WEBSITE at: <http://sstc.org.my>



## WELDING INSPECTOR (WI-WI2)

- Quality assurance – QA/QC and inspection
- Personnel Certification – Welders, Weld Inspector Level 2 and NDT personnel
- Normative documents (codes)
- Appreciation to Non-Destructive Testing (NDT)

### WHO SHOULD ATTEND

Technicians, Instructors, Surveyors, Engineers, NDT supervisors, QA/QC inspectors or anyone who is interested in NDT and requiring a general knowledge of NDT methods and ideal preparation for PCN examinations.

### RESOURCE PERSON

**Razali bin Ahmad** is currently an instructor for Welding Inspector with MINDT. He obtained his Civil Engineering's degree at the University of Alabama, USA and has a professional qualification certificate as a Welding Inspector Level 2. Razali has vast experience as a QC inspector for welding.

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