

RADIOGRAPHIC TESTING (NDT-RI2)

OBJECTIVES

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

- Select suitable NDT technique and test method to be used
- Define the limitations of application of the testing method
- Translate NDT standards and specifications into NDT instructions
- Conduct test as per specifications
- Interpret and evaluate results according to applicable standards
- Organise and report the results of non-destructive tests
- Meets syllabus requirements for Level 2 – PCN or EN 473

COURSE CONTENTS

- History of industrial radiography
- Principles of Radiography
- Limitations - Advantages and disadvantages
- Electromagnetic spectrum, wavelength
- X-rays and gamma rays
- Interaction between radiation and matter, absorption and scatter
- Image Formation, Types and uses of screens
- Films and Processing (Automatic and manual processing)
- Radiographic Quality Sensitivity, Density Contrast, speed and definition
- Radiation Safety
- Exposure Factors - Radiation quality
- Effect of type of gamma or X-ray source
- Identification, marking out and setting up
- Techniques
- Calculation of IQI sensitivity, densitometers, film density
- Radiographic appearance of discontinuities, their causes and effects
- Viewing conditions and acceptance criteria
- Standards, Codes and Specifications
- Basic Welding Processes, Basic types of welds, Fabrication Defects
- Stress Relieving
- Practical Examination - Radiographic Interpretation

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

Mohd Shukri Abdul Wahab has a Bachelor of Science degree from Universiti Teknologi Malaysia. He has worked in various companies since 2007 and gained extensive experience in the radiographic testing and QC inspection. Mohd Shukri has professional qualifications in Radiographic Interpretation PCN Level II and also Welding Inspector PCN Level II from the Malaysian institute of Non-Destructive Testing (MINDT).

Duration
6 days

SSTC Member
RM6,254.00

Non SSTC Member
RM6,455.40

SME Training Grant
RM1,936.62

*all rates are inclusive of
6% GST

For more information or registration, contact:

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