

PENETRANT TESTING (NDT-PT2)

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

The following are some of the training contents with regards to Penetrant Testing:

- General Theory - Principles of Penetrant Testing
- Limitations - Advantages and disadvantages
- Terminology associated with penetrant flaw detection
- Penetrant: color contrast, fluorescent, combined colour contrast and fluorescent. Penetrant removers
- Fixed installations, portable inspection kits and auxiliary equipment
- Sensitivity and Control Testing - Test blocks
- Testing Technique - Selection of appropriate technique
- Viewing conditions
- False indications and their cause
- Detectability of Defects
- Interpretation and Reporting including acceptance criteria
- Post Test Procedures Cleaning
- Safety Precautions – Fire hazards, electrical safety, safe use of UV(A) radiation
- Standards, codes and specifications
- Product Technology Theory - Basic Casting and Forgings Production
- Basic Welding Processes, Terms and weld defects
- Practical - Instruction Writing and testing , Standards and Specifications

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

Nizaha binti Mohamed Ashari is currently the full time instructor for Magnetic Testing and Penetrant Testing with MINDT since 2006. She also has a Master's degree in Telecommunication Engineering from Universiti Malaya and also an Electrical Engineering degree from Universiti Teknologi Malaysia.

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

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

Duration

6 days

SSTC Member

RM5,787.60

Non SSTC Member

RM5,904.20

SME Training Grant

RM1,771.26

*all rates inclusive of 6%
GST



PENETRANT TESTING (NDT-PT2)

- 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)

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TRAINER

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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