NDT – Radiographic Testing

Delivery Method: eLearning || Duration: 1,5 hours || Course Fee: 280 €

Category: Material, Welding & NDT

Available languages: English

Certificate

On completion of the training program, the student will be awarded:

- A Certificate of **NDT – Radiographic Testing**, issued by Bureau Veritas Solutions Marine & Offshore.

The Certificate of **NDT – Radiographic Testing** is obtained after completion of the course and passing the online test.

Presentation

This training course provides an overview of the Radiographic Testing (RT) method for non-destructive examination of materials and welding, its objectives and principles.

Whom the course is for

The course **NDT – Radiographic Testing** is aimed at anyone interested in getting familiar with this NDT technique. This may include Ship Managers, Technical Superintendents, Ship Masters, Officers and Seafarers; Offshore Units Operators and technical staff; Shipyards Technical Staff; Surveyors; P&I and/or Insurance Inspectors; etc.

Objectives

On completion of the training, students will be able to:

- Understand the basic physical principles of radiographic testing.
- Know the testing procedure and the inspection process referred to the equipment and films used.
- Differentiate applications and the acceptance criteria applied.
- Get familiar with the purpose of reference accessories to ensure the image quality and the quality of test performance in general.

Program

- History
- Basic principle
    - Radiation
    - Films
    - Radiographic image quality
- Equipment and testing materials
    - Radiation sources
    - Film systems
    - Image quality indicators
    - Film viewing equipment
- Testing procedure
    - Selection of testing parameters
    - Test arrangements
    - Film processing
    - Film evaluation
- Applications and acceptance criteria
    - Scope
    - Weld inspection
    - Indications
    - Acceptance criteria
    - Test report
- Reliability, quality of test results
    - Test performance
    - Film viewing
    - Film examination
    - NDT personnel competence
    - Safety aspects