

# Quay and Sea Trials

Delivery Method: eLearning || Duration: 2 hours || Course Fee: 200 €

Category: Naval Architecture & Marine Engineering; Class & Statutory Surveys

Available languages: English

## Certificate

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

- A Certificate of **Quay and Sea Trials**, issued by Bureau Veritas Solutions Marine & Offshore.

The Certificate of **Quay and Sea Trials** is obtained after completing the course and passing the online test.

## Presentation

This training course provides basic knowledge about the tests to be performed by the shipbuilder to confirm that the ship and its equipment comply with the classification and statutory rules, flag state requirements and Owner's specifications.

## Who the course is for

The course **Quay and Sea Trials** is aimed at anyone interested in understanding the scope and the objectives of the quay and sea trials to be performed prior ship delivery. This may include Ship Managers, Technical Superintendents, Ship Masters, Officers and Seafarers; Shipyards Technical Staff; Surveyors; Flag and Port State Officers; P&I and/or Insurance Inspectors; Naval Architects; Etc.

## Objectives

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

- Get familiar and understand the rules and regulations applicable for quay and sea trials
- Know the responsibilities of each player
- Know the tests required by the Classification Rules and by Statutory Regulations
- Understand the methods for checking the ship's capabilities under realistic service conditions

## Program

- General
  - Applicability of the Rules and procedures
  - Definitions
- Procedures
  - Review of the applicable procedures
  - Condition of the ship: Displacement, machinery
  - Scope of the trials: Purpose, pre-trial meeting, final meeting
- Sea trial tests
  - Dead ship condition
  - ISO 19019:2005 requirements
- Navigation and manoeuvring tests
  - Propulsion trials: Speed trials, fuel consumption trial, endurance trial
  - Control system trials: Steering gear trials, thruster trials, fin stabilizers trials, inertia tests
  - IMO requirements: Turning circle trials, zig-zag trials, stopping trials
- Diesel engine tests
  - Definitions: Engine power and speed, sea margin
  - General
  - Trials and tests: Main propulsion engines driving fixed propellers, mooring trial and running-in trial, official sea trials, dead ship condition, starting, progressive and overload tests, other tests
- Boiler tests
  - Tests
  - Alternative requirements
- Other tests
  - Automation – Unmanned machinery operation tests: Test procedure, verifications
  - Steering gear tests: Tests to be performed, unified interpretation of SOLAS Regulations II-1/29.3 and II-1/29.4, main and emergency steering gears, autopilot effectiveness test
  - Speed trials
  - Windlass and anchoring tests
  - Vibration tests
  - Noise level tests
  - Rescue boat and launching appliances tests