

SOLAS Safety Equipment

Delivery Method: eLearning || Duration: 5 hours || Course Fee: 580 €

Category: Class & Statutory

Available languages: English

Certificate

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

- A Certificate of **SOLAS Safety Equipment**, issued by Bureau Veritas Solutions Marine & Offshore.

The Certificate of **SOLAS Safety Equipment** is obtained after completing the course and passing the online test.

Presentation

This training course covers the requirements of SOLAS Convention concerning the safety equipment of cargo ships. It includes the documentation required on board, life-saving appliances, firefighting equipment, the safety of navigation, safety equipment in general and additional requirements for tankers.

Who the course is for

The course **SOLAS Safety Equipment** is aimed at anyone interested in understanding the requirements established by the SOLAS Convention concerning safety equipment on board ships and offshore units. 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:

- Know the documentation required to be available on board and understand the requirements of the STCW Convention for safe manning crew members.
- Understand the requirements concerning personal life-saving appliances, survival crafts, rescue boats, and launching and recovery arrangements.
- Understand the requirements for fire protection, fire detection and fire extinguishing systems, and get familiar with the specific requirements for the carriage of dangerous goods.
- Know what are the navigational equipment and appliances required to ensure the safety of navigation and get familiar with other safety equipment required on board.
- Understand the additional requirements applicable for tankers and get familiar with inert gas systems

Program

Module 1 – Documentation on Board

- Surveys and certification requirements
- Required publications
- Nautical charts
- Recommended publications
- Safe manning and STCW requirements
- Expiry dates of various safety equipment
- Training and drills

Module 2 – Life-Saving Appliances

- Personal life-saving appliances: lifebuoys, lifejackets, immersion suits, anti-exposure suits, thermal protective aids
- Survival crafts requirements: lifeboats, rigid and inflatable liferafts, rescue boats
- Embarkation, launching and recovery arrangements: davits, on-load release mechanisms, falls, sheaves and hooks
- Maintenance of LSA
- Radio lifesaving appliances
- Line-throwing appliances

Module 3 – Fire Fighting Equipment

- Fixed fire detection and alarm system
- Fire control plan
- Remote stops and closing arrangements
- Manual and automatic fire doors
- Protection of hot surfaces
- Means of escape
- Emergency escape breathing devices
- Fire mains, hydrants, hoses and nozzles
- Main and emergency fire pumps
- Fire extinguishers
- Fixed fire-extinguishing systems: gas, foam, pressure water-spraying, water sprinkler, water mist
- Fire-fighters outfit and self-contained breathing apparatus
- Fire-fighter's communication

Module 4 – Safety of Navigation

- Navigational equipment: radar and anti-collision equipment, magnetic compass and gyrocompass, ECDIS, global navigation satellite system (GNSS), automatic identification system (AIS), voyage data recorded (VDR), long-range identification and tracking (LRIT)
- Bridge logbook
- Steering gear testing and drills
- Nautical publications and charts: bridge navigational watch alarm system (BNWAS), international code of signals
- Bridge visibility
- Navigational aids: navigation lights, shapes, whistle, bell, gong, echo-sounder, speed and distance measuring equipment

Module 5 – Safety in General

- Steering gear
- Communication system
- Visual signals
- Means of embarkation and pilot transfer arrangements
- Gas detection systems (gas-fuelled ships)
- Helideck

Module 6 – Additional Requirements for Tankers

- Documentation
- Inert gas system
- Gas measurement and detection
- Deck foam system
- Cargo pump room fixed fire extinguishing system
- Survival crafts and rescue boats
- Fire-fighter's outfit and breathing apparatus