

H852 – HV Safety Management

STCW, MCA/ILT Approved

This course has been designed to satisfy the HV requirements laid out in the Standards of Training, Certification and Watchkeeping (STCW), Manila Amendments, and is approved by the UK's Maritime & Coastguard Agency as satisfying the requirements laid out in MIN 494 (M) and Netherlands Authority (ILT).

Learning objectives:

Upon completion of this course, the trainees will be able to manage a high voltage installation, trouble shoot and restore marine HV systems to an operating condition. This will mean that the trainee meets the requirements laid down in the Knowledge, Understanding and Proficiencies for High Voltage installations set out in Tables A-III/2 (part) of the STCW Convention and Code 1978, as amended.

Main topics

- Safety rules on marine HV environment according to current regulations and recommendations (STCW, SOLAS, UK HSE etc.)
- Marine HV safety aspects and safe working procedures
- Special considerations for offshore electrical installations
- Dangers of electricity and arc-faults in switch-gears
- Personal protective equipment
- Marine Electrical, Propulsion and Distribution Systems
- Protection system of electrical installations
- Accident analysis workshop
- Practical exercises

Methods:

Highly interactive lectures with group work and case studies, as well as practical exercises and assessments.

Duration: 5 days

Student profile:

Engine personnel at the operational & management levels, and all electro-technical personnel who are dealing with high voltage equipment and systems.

Prerequisites:

Prior to the course, trainees must satisfy one of the following conditions:

- Prior electrical or electro-technical experience in a ship-board environment; or,
- Have completed 12 months sea time as EOOW; or,
- Part of an initial electro-technical training program

Venue: Genova, Italy

Additional information:

Maximum 10 participants per course.