H854 – High Voltage Technology, Management Level

This course has been designed to satisfy the HV requirements laid out in the Standards of Training, Certification and Watchkeeping (STCW), Manila Amendments, and it is approved by the Italian Minister of Transportation, decree 15th February 2016 (16A01447).

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.

Contents:
- Safety rules on marine HV environment according to current regulations and recommendations (STCW, SOLAS, IT HSE etc.)
- Marine HV safety aspects and safe working procedures
- Special considerations for offshore electrical installations
- Dangers of electricity and arc-faults in switchgears
- 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:
At least 5 days prior to the course, trainees must satisfy following conditions:
- High Voltage Technology, Operational Level certification (ABB H855 or equivalent)
- Basic Training certification
- Italian Seamen Book
- At least 6 months onboard in training activities
- CoC expiring (if available)
- If embarked, copy of the document proving his/her license, signed by the Coastguard, issued for course attendance

Venue:
- Genova (Italy), c/o
  - ABB Marine Academy
  - University of Naval Architecture, DITEN Department
- Torre del Greco (Italy), c/o
  - ACMA Enterprise, ABB Marine Academy Department

Additional information:
Maximum 10 participants per session c/o ABB Marine Academy and ACMA Enterprise.
Maximum 20 participants per session c/o University.