

HIGH VOLTAGE SWITCHGEAR TRAINING COURSE

Management Level – MCA Approved

Course Code : AT 5103

NEW
Start 5 Jan
2015



| Course Length (Days) | Taught Hours | Practical Content (%) | Theoretical Content (%) |
|----------------------|--------------|-----------------------|-------------------------|
| 05 | 35 | 50 | 50 |

TARGET AUDIENCE

This course target audience is the serving Marine Electrician, ETO, Marine Engineer surveyor, Marine superintendent, Marine Engineer officer who may be expected to supervise and/or implement on-board HV switching operation as an Authorised person; and a revalidation of Second and Chief Engineer officer COC as per the III/2 and III/3 (Management Level) ref MIN 423 (M) requirement.

COURSE OBJECTIVES

The approving body is UK Maritime and Coastguard Agency (MCA). The course meets the criteria of the MNTB Shipboard HV guidelines. The course will also meet the requirement of STCW (Manila amendments 2010).

The learner will meet the three outcomes of the course:-

Outcome 1: The learner can manage high voltage operations on board a ship

Outcome 2: The learner understands the high voltage system and the maintenance of distribution capability

Outcome 3: The learner can identify faults within a high voltage system and reconfigure the system to maintain supply

COURSE CONTENT

- Understanding of the functional, operational and safety requirements for Marine High Voltage System
- Assistance to suitable qualified personnel in carrying out maintenance and repair of HV Switchgear
- Remedial action necessary to rectify a HV System fault
- Switching strategy for isolating Marine HV components
- Selection of suitable equipment for isolation and testing Marine HV equipment
- Switching and isolation procedure on a Marine HV System, complete with Safety documentation
- Performance of insulation resistance and polarisation index test on Marine HV equipment
- Theory and practical assessment

DELIVERY

Teaching aids, slides, videos, practical demonstrations, questionnaires, practical assessment.

EQUIPMENT FOR PRACTICAL TRAINING

HV Switchboards and components, HV motor stator and winding, and HV transformers.

CERTIFICATION

MCA High Voltage Management Level Certification
ATTS Certificate of Completion

Minimum Number Of Delegates Required Per Event

10

Times Of Training

08:30 to 17:00

Venue

No 3 , Buroh Street , Singapore 627566

Special Requirements

- Delegates should have basic knowledge of electrical theory and practice
- Delegates are required to supply their own personal protective safety equipment.
- For MCA certification, the delegate must have the required marine qualifications.

Dates And Prices

Please check with course administrator