

## **HIGH VOLTAGE TRAINING - MANAGEMENT LEVEL (MCA APPROVED)**

### **OVERVIEW**

The approval body for certification is the UK Maritime and Coastguard Agency (MCA). The course is aimed at Marine Engineering officers who may be expected to supervise and/or implement on-board high voltage switching operations as an "authorising officer". The course will also be valuable for Engineer Surveyors, Marine Superintendents, serving marine electricians and is a requirement for ETO CoC.

The **5-day High Voltage Training course** meets the requirements of STCW (Manila amendments 2010) for revalidation of Second/Chief Engineer Officer CoC Reg. III/2 and III/3 (Management Level) ref MIN 423 (M) and for ETO CoC.

South Shields Marine School have fully equipped modern marine high voltage electrical facilities and equipment which are used during extensive practical exercises.

The emphasis is on the safe working practices and procedures which should be followed before, during and after any high voltage work is undertaken.

Successful candidates will be trained and able to work as "authorising officers" within a team carrying out high voltage isolation and switching operations.

To comply with exacting safety requirements all candidates on the course will be trained in safe isolation procedures, the safe use of testing equipment and switching procedures together with the correct use of Electrical Permit to Work and Sanction to Test systems.

During the course each candidate will design and implement switching plans based upon our distribution systems and be assessed by our trained assessors in the safe working practices they will be expected to demonstrate.

### **ENTRY REQUIREMENTS**

This course is designed to meet specific part of the regulatory requirements of Table A-III/2 (management level) of the Annex to the International Convention on Standards of training, Certification and Watchkeeping for Seafarers (STCW), 1978, as amended.

Candidates must have either:

- Prior electrical or electro-technical experience in a shipboard environment;
- Have completed 12 months sea time as an EOW; or

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**0191 427 3500**

**[info@stc.ac.uk](mailto:info@stc.ac.uk)**

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the course can be completed as part of an initial electro-technical training programme.

## ASSESSMENT

In course assessments consist of multiple choice tests and practical, in-course, assessment.

On completion of training, trainees will have sufficient knowledge and understanding to enable them to:

- Understand the functional, operational and safety requirements for a marine high voltage system

- Assist suitably qualified personnel to carry out maintenance and repair of high voltage switchgear of various types

- Take remedial action necessary during system faults

- Produce a switching strategy for isolating HV system components

- Select suitable apparatus for isolation and testing HV equipment

- Carry out a switching and isolation procedure on a marine HV system complete with safety documentation

- Perform 5kV insulation resistance and polarisation index tests on HV equipment

## PROFESSIONAL OPPORTUNITIES

This High Voltage Management Level course is a requirement for management level (second or chief engineer) and eto (electro-technical officers) certificates of competency where the high voltage negative endorsement is not required.

## FURTHER INFORMATION

Please note: If you are not an EU passport holder, you will require a Student Visitor Visa to attend any course at South Shields Marine School.

Please contact the Marine Booking office by calling 0191 427 3772 or emailing [marinebooking@tynecoast.ac.uk](mailto:marinebooking@tynecoast.ac.uk) to book your place and also arrange your Visa letter.

The College accepts no responsibility if you book your place online but have not obtained a Student Visitor Visa resulting in non-attendance. Refunds will not be given in this instance.

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**DOWNLOADS**

HVM Joining Instructions.pdf (249.59 KB)

**DATES & FEES**

Contact us for current course dates and fees.

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