

**SIMMONDS
EQUIPMENT**

CONTACT INFORMATION

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HIGH VOLTAGE

Offshore Vessel High Voltage Safety Course



Offshore Vessel High Voltage safety Course is as per the IMCA syllabus guidance SEL 031 , M217 and complies with the STCW requirements for ETO training as of the 1st January 2012 This would be a two day course conducted on the clients vessel.

Venue: The courses can be run at the clients own onshore facility or onboard the vessel, this is not restricted to the UK sector and the courses can be run globally if required.

We also do our best to work in with you crew changes to get the most efficient usage of course time and dates.

The HV Equipment course for maintenance and operations personnel can be run over one, two or three days depending on the content required and prior knowledge and experience of the technicians.

A Certificate of Attainment is awarded to candidates who successfully complete the course and the final assessment. This allows the individual to assist in the operation and switching of the systems under the supervision of a Authorized Electrical Person (AEP)

A Certificate of Competency for the candidate to be able to safely isolate and work on HV equipment over 1000volts AC can be produced. This would require the assessor to witness the activity at the work site or a suitable simulation exercise that can be demonstrated. The standard attained during the two day course and the prior knowledge and experience of the candidate would also be reviewed prior to awarding a certificate of competency. This would allow the candidate to be designated as the AEP for the system and ETO for the vessel

NON MARINE EQUIPMENT TRAINING

This training would be carried out on the customers own equipment in there own premises. The course syllabus would be similar to the marine course but in addition would cover all legislation relevant to the location and industry standards, including but not limited to the use of isolation control certificates, permit to work documentation and task risk assessments for the switching activities up to 33KV

HIGH VOLTAGE
Offshore Vessel High Voltage Safety Course

SOCIAL NETWORKING



Headquarters

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Remotely Operated Underwater Vehicles with operating voltage up to 5KV

ROV Personnel course syllabus is as per the guidance note IMCA C010 July 2006 and is endorsed by the Institutes of Engineering and Technology. This course is the accepted global standard set by Lloyds and accepted by BP for the HV competency required by ROV technicians on Vessels owned or on charter to them. The certificate of competency will be issued to personnel with sufficient prior knowledge of their ROV system and would normally be ROV Supervisor or Sub engineer status. This would allow them to be designated as the System responsible person as per the IMCA guidance note C010 July 2006, the Norsok U102 Standard Oct 2011 and the UK EAW Regulation 16 Note This certificate does not allow the candidate to be designated as ETO for the vessel

Course Content. (Dependent on client requirements and course selected)

DAY ONE:

Electricity at Work Regulations which will include but not limited to the following:

International Marine regulations IEC 20092 and the USA National Electrical Code 2014 Norwegian marine regulation NEK410

- Electric shock (Contact, flash and blast)
- Explanation and demonstration of heart start defibrillator
- Electrical protection for people at work
- Explanation and simple calculation of earth fault
- Generator, Bus bar and Transformer configuration for Marine, Sub Sea or ROV systems (Depending on application and voltage of the systems)
- Requirements for the safe isolation of HV and LV electrical equipment.
- Requirements for proving dead of electrical equipment as per HSE guidance note GS38
- Induction and capacitance of HV cables and umbilical.
- Requirement and application of circuit earths on HV systems after isolation.
- Competency requirements for HV isolating authority and requirement for switching Logs.
- Responsibility of supervisors with regard to the Electricity at work regulations as they apply to onshore and offshore installations.

DAY TWO:

- Practical switching and isolation and proving dead of systems, use of all work control documentation and isolation control certificates and activity risk assessments.(As far as practical on a live system)