

# Marine Electrician ST0432/V1.2



Level 3



42 Months



6 Months

## Assessment Methods



Multi Choice Test



Practical Assessment



Structured Interview underpinned by a portfolio of evidence

## Gateway Requirements

- English/Mathematics Level 2
- Very High Frequency (VHF) Licence Level 2
- Marine Electronics Installer (MEI) Level 2
- British Marine Electrical Technician (BMET) Level 2
- City & Guilds Level 2 Diploma in Marine Construction, Systems Engineering and Maintenance – all units
- City & Guilds Level 3 Diploma in Marine Electrical Engineering (Advanced) – all marine electrician units with the exception of unit 312 learning outcome 5, which is integrated into the EPA
- A portfolio of evidence
- Portfolio Mapping Document and Declaration
- Gateway Declaration Form
- Site Health & Safety and Risk Assessment form

## Occupation Profile

Marine electricians' work operations can be undertaken on boats in a workshop environment, or on boats moored or stored outside on hard standing near water, or in the water and they may also attend sea trials. Marine electricians need to work safely and may work in confined spaces, on or near water, aloft, or at height. An employee in this occupation will be responsible for completing their work to agreed timelines and in accordance with work instructions and relevant legislation, regulations, codes of practice and other relevant guidance and information. Marine electricians are responsible for designing and producing solutions to boat layouts and requirements, and producing marine electrical and electronic systems from electrical, engineering and technical drawings and specifications.

## Grading

The standard is graded overall: Fail, Pass or Distinction

## End Point Assessment

### Structured Interview underpinned by a portfolio of evidence

The structured interview takes place between the apprentice and independent assessor. The interview is underpinned by a portfolio of evidence. It is structured to enable the apprentice to demonstrate their competence and excellence of the KSBs assigned to the interview.

### Multiple-choice test

The Multiple-choice test consists of 40 questions in total. 10 will be scenario-based questions and 30 will be non scenario-based questions. The scenario-based questions will assess all of the skills assigned to this assessment method and the non-scenario based questions will assess all of the knowledge elements assigned to this assessment method.

### Practical Assessment

This assessment method consists of two components; a practical task where the apprentice must complete a circuit diagram to a given specification, then build and test the circuit diagram including the demonstration of fault-finding and problem solving skills. They will then take a short answer test to demonstrate the underpinning knowledge required for successful completion of the practical task to specification.

[Click here to view the Marine Electrician assessment plan](#)