



## Introduction

This guidance explains the Electrical Underpinning Knowledge and Understanding Test, which is for experienced electricians (10+ years in the trade) who don't yet have a Level 2 or 3 qualification.

The test checks if you have the knowledge needed to join one of the Experienced Worker Assessment (EWA) routes. It is not a shortcut – it's a full Level 3 standard test.

## Assessment overview

- Assessment type: on-screen, open book, multiple choice and scenario-based questions.
- Number of questions: 50.
- Time allowed: 100 minutes.
- Pass requirement: learners must obtain at least 60% in both parts to pass this examination.

## Permitted resources

- Open book exam: candidates will require the current versions of:
  - IET On-Site Guide
  - BS 7671:2018
- A non-programmable calculator may be used.

## What you need to demonstrate

To pass the test, you will need to show breadth and depth of knowledge and understanding covering the areas listed below.

Part 1 – on-screen exam. Most questions have four answer options.

- How relevant legislation applies in the workplace.
- The procedures for establishing a safe working environment.
- The requirements for identifying and dealing with hazards in the work environment.
- How to prepare for the installation of wiring systems.
- The practices and procedures for carrying out electrical work.
- The characteristics and applications of supply systems and consumer's equipment.
- Earthing and protection.
- The relationship between resistance, resistivity, voltage, current, and power.
- How different electrical properties can affect electrical circuits, systems, and equipment.



# EWA Entry Test

Test coverage information

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- The operating principles of electrical components (the Domestic test covers the principles and applications of heating systems instead).

Part 2 – on-screen exam. Multiple-part, scenario-based questions.

- The applications of wiring systems.
- Electrical systems and circuits.
- The electrical design procedure.
- The requirements for completing the safe isolation of electrical circuits and installations.
- The requirements for the safe testing and commissioning of electrical installations.
- Application of BS 7671 and the IET On-Site Guide.