

REGULATED QUALIFICATION FRAMEWORK (RQF)

QUALIFICATION SPECIFICATION

LCL Awards Level 3 Award in the Requirements for Electrical Installations BS 7671:2018

1. Objective

The objectives of the qualification are to:

1. Prepare learners to progress to a qualification in the same subject area but at a higher level or requiring more specific knowledge, skills and understanding
2. Prepare learners to progress to a qualification in another subject area.

2.0 Prior qualifications, knowledge, skills or understanding which learners are required to have achieved before taking the qualification

None.

3.0 Other requirements which a learner must have satisfied before the learner will be assessed or before the qualification will be awarded

None.

4.0 Qualification Framework

The qualification comprises of 1 mandatory unit:

Unit Title	Unit Reference Number	Type of Unit	Level	Credit Value
The Requirements of Electrical Installations BS 7671:2018 Incorporating A2:2022	LCL-E3004	Knowledge	3	4

4.1 Qualification Time and Credit Value

- The Total Qualification Time (TQT) is 40 hours
- The Guided Learning Hours (GLH) are 35
- The total credit value of the qualification is 4.

4.2 Qualification Level

The qualification has been assigned at level: 3.

4.3 Grading Structure

The grading structure for the qualification is that learners are required to achieve a result of **Pass** to be awarded credit for the unit.

This qualification will be achieved when learners have successfully completed:

- The LCL Awards set and marked multiple choice knowledge examination.

4.4 Assessment Method

The assessment method within the qualification is an on-screen multiple choice knowledge examination.

The assessment method has been designed to assess the knowledge of learners.

The on-screen multiple choice examination is set and marked by LCL Awards.

5.0 The criteria against which learners' level of attainment will be measured

The Learning Outcomes and Assessment Criteria against which learners' level of attainment will be measured are detailed in the examination and assessment specification for each unit below.

LCL-E3004: The Requirements of Electrical Installations BS 7671:2018 Incorporating A2:2022

Learning Outcome 01. The learner will know the scope, object and fundamental principles of BS 7671.

The learner will demonstrate knowledge of:

- 1.1 The scope of BS 7671
- 1.2 The objective of BS 7671
- 1.3 The fundamental principles of BS 7671.

Learning Outcome 02. The learner will know the definitions used within BS 7671.

The learner will demonstrate knowledge of:

- 2.1 The definitions used within BS 7671
- 2.2 The definitions to the regulations and appendices of BS 7671.

Learning Outcome 03. The learner will know how to assess the general characteristics of electrical installations.

The learner will demonstrate knowledge of:

- 3.1 The requirements of assessing the general characteristics of electrical installations within the scope of BS 7671

Learning Outcome 04. The learner will know the requirements of protection for safety for electrical installations.

The learner will demonstrate knowledge of:

- 4.1 The requirements of protection for safety within the scope of BS 7671
- 4.2 How this applies to electrical installations within the scope of BS 7671 including protection against:
 - Electric shock
 - Thermal effects
 - Overcurrent
 - Voltage disturbances and electromagnetic disturbances
 - Isolation and switching.

Learning Outcome 05. The learner will know the requirements for selection and erection of equipment for electrical installations.

The learner will demonstrate knowledge of:

- 5.1 The requirements for selecting and erecting equipment within the scope of BS 7671
- 5.2 How this applies to electrical installations within the scope of BS 7671 including:
 - Common rules
 - Selection and erection of wiring systems
 - Protection, isolation, switching, control and monitoring
 - Earthing arrangements and protective conductors
 - Other equipment
 - Safety services.

Learning Outcome 06. The learner will know the requirements for the inspection and testing of electrical installations.

The learner will demonstrate knowledge of:

- 6.1 The requirements for inspection and testing
- 6.2 How this applies to electrical installations.

Learning Outcome 07. The learner will know the requirements of special installations or locations as identified in BS 7671.

The learner will demonstrate knowledge of:

- 7.1 The requirements for special installations and locations
- 7.2 How this effects the general requirements of BS 7671.

Learning Outcome 08. The learner will know the information contained within Part 8 and the appendices of BS 7671.

The learner will demonstrate knowledge of:

- 8.1 The information in the appendices of BS 7671
- 8.2 How the information contained in the appendices is used to support electrical installation activities
- 8.3 The information contained in Part 8 of BS 7671.

6.0 Other Information

Qualification Regulators Number:

- Ofqual 603/3132/X
- Qualifications Wales C00/1234/1.

Sector Skills Area: SSAs: 5.2 Building and Construction.

Age suitability: 16+

Last Qualification Review Date: February 2024

Next Qualification Review Date: 28.02.2027