



SHEARD ELECTROTECHNICAL TRAINING

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## *Electrical Short Courses*

Training can be delivered and examined in-company or at our own centre in Huddersfield and delegates receive a comprehensive study guide on all courses.

### *City & Guilds 2382-15, 17<sup>th</sup> Edition Regulations, BS7671: 2008 (2015)*

**Three day course** including comprehensive study notes. **Candidates require the current edition of BS 7671 (17<sup>th</sup> Edition Regulations, yellow copy)**, which can be ordered through SET at additional cost and may be used as a reference during the C & G multi-choice examination.

The scheme is aimed at practising electricians, engineers and specifiers with relevant experience and is intended to ensure they comply with the format, content and applications of the Requirements for Electrical Installations, **BS 7671: 2008 incorporating Amendment 3: 2015**. The scheme covers topics such as protection for safety, selection and erection of equipment, and earthing and bonding to meet the requirements of the 17<sup>th</sup> Edition IET Wiring Regulations.

The assessment consists of a 60 question multiple-choice examination of two hours duration.

Cost per delegate including examination fees : **£475-00**

### *City & Guilds 2391-50, Initial Verification and Certification of Electrical Installations, 4-Day course (Level 3)*

**Four-day course (plus examination and practical assessments)** including comprehensive study notes. Prospective candidates must have passed the **C & G 2382 17<sup>th</sup> Edition examination**. Candidates require BS 7671, the On-Site Guide and IET Guidance Note 3, which can be ordered through SET at additional cost.

The scheme is for practising electricians who may not have carried out inspection and testing since qualifying or are going on to other City and Guilds qualifications. It is also suitable for candidates with limited experience of initial verification, such as those entering the industry from other engineering disciplines or who have been working in allied trades. The aim is to ensure they are fully conversant with the requirements of BS 7671 for the inspection, testing and certification of electrical installations. The course covers the relevant principles, practices and legislation.

The City and Guilds assessments consist of :

**2391-050** a 40 question multiple-choice on-line examination (**open book**) of 1 hour and 30 minutes duration,

**2391-500**, Task A, practical assessments.

**2391-500**, Task B, a short answer written assessment (**centre marked open book**) of 1 hour duration,

Cost per delegate including examination and practical assessment fees : **£625-00**

***City & Guilds 2391-51, Periodic Inspection, Testing and Condition Reporting of Electrical Installations, 3-Day course (Level 3)***  
***(For delegates who have recently completed the 2391-50 course and passed the relevant assessments)***

**Three-day course (plus examination and practical assessments)** including comprehensive study notes. Prospective candidates must have passed the **C & G 2382 17<sup>th</sup> Edition examination and the 2391-50 Initial Verification and Certification of Electrical Installations assessments**. Candidates require BS 7671, the On-Site Guide and IET Guidance Note 3, which can be ordered through SET at additional cost.

**There will be limited practical tuition on this course**, this already having been covered on the preceding 2391-50 course.

The scheme is for **practising electricians, engineers and specifiers with working knowledge and experience of inspection and testing**. It is to ensure they are fully conversant with the requirements of BS 7671 for periodic inspection, testing and condition reporting of electrical installations. It is for those with responsibilities to perform or technically administrate Periodic Inspections and covers the principles, practices and legislation.

The City and Guilds assessments consist of :

**2391-051** a 40 question multiple-choice on-line examination (**open book**) of 1 hour and 30 minutes duration,

**2391-501**, Tasks A and B, practical assessments.

**2391-501**, Task C, a short answer written assessment (**centre marked open book**) of 1 hour duration,

Cost per delegate including examination and practical assessment fees : **£525-00**

***City & Guilds 2391-52, Initial and Periodic Inspection and Testing of Electrical Installations, 5-Day course (Level 3)***  
***(For delegates who have previous working knowledge and experience of inspection and testing)***

**Five-day course (plus examination and practical assessments)** including comprehensive study notes. Prospective candidates must have passed the **C & G 2382 17<sup>th</sup> Edition examination**. Candidates require BS 7671, the On-Site Guide and IET Guidance Note 3, which can be ordered through SET at additional cost.

The scheme is for **practising electricians, engineers and specifiers with working knowledge and experience of both initial and periodic inspection and testing**. It is to ensure they are fully conversant with the requirements of BS 7671 for initial verification and certification, and periodic inspection, testing and condition reporting of electrical installations. It is for those with responsibilities to perform or technically administrate Initial and Periodic Inspections and covers the principles, practices and legislation.

The City and Guilds assessments consist of :

**2391-052** a 60 question multiple-choice on-line examination (**open book**) of 2 hours duration,

**2391-502**, Tasks A and B, practical assessments.

**2391-502**, Task C, a short answer written assessment (**centre marked open book**) of 1 hour and 20 minutes duration,

Cost per delegate including examination and practical assessment fees : **£850-00**

## ***City & Guilds 2396-01, Design and Verification of Electrical Installations, 5-Day course plus Project Tutorial Support (Level 4)***

**Five-day course plus two half-day project tutorials**, including comprehensive study notes. Prospective candidates must have passed the **C & G 2382 17<sup>th</sup> Edition examination and hold a C & G Level 3 Inspection and Testing qualification**. Candidates require the current edition of BS 7671 (17<sup>th</sup> Edition Regulations), the IET On-Site Guide and IET Guidance Note 3, which may be used during the written examination. These can be ordered through SET.

The scheme is for practising **electricians, engineers and specifiers** in electrical contracting and maintenance with responsibility for the design, specification, installation and inspection and testing of electrical installations. It addresses particularly the implications of the IET Wiring Regulations **BS 7671: 2008, incorporating Amendment 3: 2015**.

The City and Guilds assessments consist of :

**2396-401** Design, construction management and initial verification of electrical installations **Assignment** of 40 hours duration, completed on an open learning basis with tutorial support,  
**2396-402** Design, construction management and initial verification of electrical installations **Written Examination** comprising ten compulsory questions (**open book on fixed dates**) of 3 hours duration.

Cost per delegate including examination and project assessment fees : **£875-00**

## ***City & Guilds 2377, Code of Practice for In-service Inspection and Testing of Electrical Equipment (Level 3)***

**Two-day course** based on the **IET Code of Practice for In-Service Inspection and Testing of Electrical Equipment**. Candidates require the IET Code of Practice, which can be ordered through SET at additional cost and may be used as a reference during the **C&G multi-choice examinations** following the course.

This scheme is designed to ensure that practising electricians and managers are familiar with the IET Code of Practice for portable appliance and equipment testing. There are two multi-choice examination components; one for those who carry out inspection and testing and one for managers - delegates may opt for one or both components.

The course content is common to both components and covers relevant legislation, inspection and testing requirements, documentation and record keeping, interpretation of results and labelling of equipment.

**The two components comprise :**

### ***1. City & Guilds 2377-22 In-Service Inspection and Testing of Electrical Equipment (PAT)***

This qualification is designed for **those who undertake the relevant inspection and testing**. **Candidates will be required to demonstrate the practical ability to test and record results** and ideally should have appropriate test instruments.

The assessment consists of a 50 question multiple-choice examination (**open book**) of one hour and forty five minutes and a practical assessment.

## ***2. City & Guilds 2377-32 Management Requirements for the Maintenance of Electrical Equipment***

This qualification is **designed for managers and administrators** who have the responsibility to oversee inspection, testing and maintenance of electrical equipment.

The assessment consists of a 40 question multiple-choice examination (**open book**) of one hour and twenty minutes.

Cost per delegate for the **2-day** course including examination fees (**1 component**) : **£325-00**

Cost per delegate for the **2-day** course including examination fees (**2 components**) : **£475-00**

## ***Introduction to Fire Alarms and Emergency Lighting to BS 5839 and BS 5266***



*Certificated* – Fire Alarm and Emergency Lighting **two-day** course.

The course is intended to provide an overview and basic working knowledge of the design and applications of Fire Alarms to BS 5839 and Emergency Lighting Systems to BS 5266, without the need to purchase the British Standards. Topics covered include legal requirements, life and property protection, system design and wiring systems. Delegates will be provided with a comprehensive study guide, which includes basic design exercises completed during the course.

The assessment consists of a 30 question multiple-choice test of one hour duration.

Cost per delegate : **£325-00**

## ***Other Half-day to Five-day Courses***

**Courses can be presented on a range of electrical installation and related topics by arrangement, such as :**

- Inspection, Testing and Certification of Minor Works
- Electrical courses for mechanical maintenance staff
- Basic Electrical safety and equipment installation for service engineers
- Appointed Duty Holder course, including basic electrical theory and electrical safety procedures
- Electricity at Work Regulations and Electrical Safety

All prices are VAT Exempt

