

2391-52 Test and Inspection

Number of Delegates:	4 - 18
Course Duration:	6.5 Days
Course Outcome:	City & Guilds Certificate

Introduction

This course has been re-introduced to align all industry qualifications for inspection and testing wiring systems to BS 7671. It now replaces the C&G 2394/95 combined course package. This C&G 2391-52 course is aimed at practicing electricians who wish to gain qualifications in periodic inspection and testing as well as initial verification of new systems.

Why take this 2391-52 Course?

Worth Knowing: A 2391 qualification is currently required in order to gain your JIB grading as an approved electrician. The course has been introduced to streamline and simplify the qualifications required to carry out advanced inspection and testing. Until July 2017 most people would take a combined 2394/2395 course which required 1 online exam, 2 practical assessments and 2 written exams. This new qualification only requires 1 online multiple-choice exam, 1 written assignment and 1 practical assessment.

What are the entry requirements?

You must be over 18 and be up to date with industry requirements. This course is intended to be taught to experienced electrical installers who have previous training and experience of inspection and testing. Essentially you should be working in the electrical industry and involved with the inspection and testing process before taking this advanced course. It is also useful for you to have an understanding of 3 phase systems. If you have limited experience, this course is designed to be taught to those who already know the fundamentals of inspection and testing but need to progress their skills. It is essential you have a good up to date understanding of BS 7671: IET Wiring Regulations.

Note: There is no practical training, as such we recommend you have 6 months testing experience before taking this course: If you have no previous training inspection and testing, you should take the C&G 2392 Course.

Books required:

Guidance note 3
BS7671-18 Regulations Book (blue book)

2391-52 Exams and Assessments

You will be assessed in the following ways:

- 2 Hour online open book exam.
- Short assignment completed whilst on the course (Roughly 1.2 Hours).
- 2.5 Hour practical assessment usually completed on week 2.

The online exam and written assignment will take place on the Monday after your main course. The practical assessments will usually take place in the second week. We can confirm the specific time for you over the phone if you wish or if you book online, we will call you back to confirm the specific day.



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COURSE PROGRAMME

The course will cover the specific methods of inspecting and testing all types of installations, whether single or three-phase, to the current requirements of BS 7671. It covers the inspection and testing techniques as given in IET Guidance Note 3 and how to professionally complete Certification and Reports.

Key areas covered include:

- Safe isolation of electrical circuits and installations
- Requirements for initial verification of electrical installations
- Requirements for completing the inspection of electrical installations prior to their being placed into service
- Requirements for the safe testing and commissioning of electrical installations
- Requirements for testing before circuits are energised
- Requirements for testing energised installations
- Requirements for the completion of electrical installation certificates and associated documentation
- Safety of systems and equipment prior to completion of inspection, testing and commissioning
- Inspection of electrical installations prior to them being placed into service
- Commissioning electrotechnical systems and equipment

Throughout the above you will also cover:

- Health and Safety requirements
- Relevant documentation
- Factors that affect conductor resistance values
- Common earth fault loop paths
- Methods for verifying protection
- Requirements for determining fault current
- Procedures for dealing with clients

Course timings:

The course is 6.5 days taken over a 2-week period with most of the training taking place in week one. In the second week you will return for your assessments. The course will be structured as follows:

- Main course runs Monday to Friday
- Online exam and Written Assignment on Monday week 2
- Practical Assignment usually during week 2 but can be booked in later

The beauty of the new qualification is that you will usually gain a pass or fail by the end of week two.

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