

Protective Equipotential Bonding

Qualification handbook



Introduction

Cert-ain Certification Ltd. is a certification body accredited by the regulatory authorities to offer a range of qualifications for operatives working in the building services engineering sector.

The Cert-ain Certification Ltd. qualifications are designed to be user-friendly for both the assessment centres delivering them and the candidates undertaking them. Our aim is to keep things as simple as possible whilst at the same time, maintaining the highest possible industry standards.

Our qualifications are designed to encourage learning and achievement, providing operatives with the appropriate knowledge and skills to help them progress in their chosen career.

Protective Equipotential Bonding

The aim of this handbook is to provide the necessary information for those wishing to complete the Protective Equipotential Bonding course.

The handbook also aims to provide assessment centres with details of the requirements for delivering the course.

Contents

Introduction	2
Protective equipotential bonding	2
Summary	3
Eligibility	3
Training	3
Reference material	3
Assessment criteria	4
Assessment process	5
Assessors	5
Internal verifiers	6
Centre approval	6
External verifiers	6
Contact details	6

Protective Equipotential Bonding Summary

The aim of the course is to provide the knowledge and skills for those who carry out the repositioning, alteration or extension to the Protective Electrical Bonding circuit when moving domestic gas meters.

The course normally takes one day to complete and those individuals successfully completing the course shall be recognised as being competent in those areas listed on page 4.

All successful individuals will be issued with a Cert-ain Certification Ltd. certificate of competence.

Eligibility

There are no specific pre-requisites for individuals wishing to undertake the course although a knowledge of basic electrical principles would be an advantage but is not essential.

Individuals with any disabilities that may affect their ability to successfully complete the course should inform the assessment centre on application. Assessment centres shall consider any reasonable requests for any aids or equipment that are designed to alleviate any disability providing that the required assessment standard is not compromised.

Training

Assessment centres deliver a training programme focussing on the contents of a number of key 'normative' documents, some of which are freely downloadable from the internet. The training programme is designed to help operatives to prepare for the assessment process.

Reference material

The reference material used for the training and assessment:

- HSE Memorandum of Guidance on The Electricity at Work Regulations 1989 (HSR 25)
- Building Regulations Approved Documents Part P
- HSE Electrical test equipment for use by electricians Guidance Note GS 38
- British Standard 7671
- British Standard 6400
- British Standard 6891
- Gas Safety Installation and Use Regulations
- IEE Guidance Note (GN) 1 – 7
- IEE On-site Guide to BS7671

Assessment competencies

Knowledge

1	Applicable Building Regulations
2	Electrical safety legislation, regulations, standards and terminology
3	Pre-work survey/inspection
4	Safe isolation procedures
5	Earthing and bonding requirements
6	Electrical test procedures
7	Cable, component and fitting selection
8	Altering and replacement of equipotential bonding
9	Checking the correct and safe operation of installed electrical components
10	Recording of electrical test results, completion of certification and notification requirements
11	Installing and/or rerouting cables to form suitable outlet connections

Performance

1	Pre-work survey/inspection
2	Safe isolation procedures
3	Identification of unsafe electrical installations
4	Earthing and bonding requirements
5	Electrical test procedures
6	Cable, component and fitting selection
7	Altering and replacement of equipotential bonding
8	Checking the correct and safe operation of installed electrical components
9	Recording of electrical test results, completion of certification and notification requirements
10	Installing and/or rerouting cables to form suitable outlet connections

Assessment process

Candidates will undertake a short practical and theory (multi-choice) assessment to confirm their competence. The pass-rate is 100%, candidates are allowed up to 3 attempts.

Theory

1. The pass rate for the theory examination is 100%
2. If the candidate does not achieve 100% on the first attempt, they will be allowed a second attempt on at the questions that they got wrong on the first attempt
3. If the candidate does not achieve 100% on the second attempt, providing they have achieved over 80%, they will be orally questioned by the assessor to establish their competence
4. Candidates not achieving 80% after the second attempt or 100% after oral questioning will be deemed to be unsuccessful
5. Unsuccessful candidates will be required to retake the assessment in its entirety

Practical

1. The pass rate for the performance assessment is 100%
2. If the candidate does not achieve 100% on the first attempt, they will be allowed a second attempt at the tasks that they failed to complete successfully
3. If the candidate does not achieve 100% on the second attempt, at the assessors' discretion, they will be orally questioned by the assessor to establish their competence
4. Candidates not achieving 100% after oral questioning will be deemed to be unsuccessful
5. Unsuccessful candidates will be required to retake the assessment in its entirety.

Assessors

Assessors shall be approved by Cert-ain Certification Ltd. They must be occupationally competent and hold a current relevant electrical qualification.

Assessors must also hold one of the following assessor qualifications:

- D32 or A1
- Level 3 certificate 'assessing vocationally related achievement' or suitable equivalent

Internal verifiers

Internal verifiers shall be approved by Cert-ain Certification Ltd. They must be occupationally competent and hold or be working towards one of the following internal verifier qualifications:

- D34 or V1
- Level 4 award 'internal quality assurance of assessment processes and practice' or suitable equivalent

Centre approval

All centres delivering the qualifications are subject to approval and monitoring to ensure that they have the appropriate personnel and facilities in place to deliver a fair and impartial training and assessment process.

The Cert-ain Certification Ltd. external verifier shall carry out quality assurance of the training, assessment and internal verification process. This includes sampling of:

- training and assessment facilities
- candidate records
- assessment decisions

External Verifiers

External verifiers shall hold or be working towards one of the following qualifications:

- D35 or V2
- Level 4 certificate 'external quality assurance of assessment processes and practices' or suitable equivalent

Contact details

If you would like any further information relating to the Cert-ain Certification Ltd. qualifications, please contact:

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