

Legionella - risk assessment and control of hot and cold water systems (L8)

Qualification handbook



Introduction

Cert-ain Certification Ltd. is a certification body accredited by the relevant 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 quality 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.

Legionella risk assessment and control of hot and cold water systems (L8)

The aim of this handbook is to provide the necessary information for those operatives wishing to undertake the legionella risk assessment and control of hot and cold water systems (L8) qualification.

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

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Summary

Operatives holding the Cert-ain Certification Ltd. legionella qualification shall be recognised as being competent against the assessment criteria listed on page 4. (Please note that the course does not cover specialist areas such as cooling towers, spa or swimming pools).

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

Eligibility

There are no pre-requisites for this qualification, although the course is aimed at operatives with a good working knowledge of hot and cold water systems.

Individuals with any disabilities that may affect their ability to successfully complete the qualifications 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, all 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 the examination:

- **HSE L8 Legionnaires' Disease – The control of legionella bacteria in water systems**
- **HSE Legionnaires' Disease – Part 2 – The control of legionella bacteria in hot and cold water systems**
- **HSE Legionnaires' Disease – A brief guide to dutyholders**

Assessment criteria

1	Understand the health effects of Legionnaires' Disease
1.1	Summarise the history of Legionnaires' Disease
1.2	Describe the typical symptoms of Legionnaires' Disease
1.3	Describe the conditions required for Legionella bacteria to grow
1.4	Identify the groups of people most commonly at risk
1.5	Describe the methods of transmission and infection
2	Understand how legislation and codes of practice can support the management of legionella bacteria
2.1	Identify legislation and codes of practice relating to the management of legionella bacteria
2.2	Outline the consequences for non-compliance with legislation and codes of practice relating to the management of legionella bacteria
2.3	Outline key roles and responsibilities associated with the management of legionella
3	Understand how to control the risks of legionella bacteria
3.1	Outline the process of risk management
3.2	Explain the importance of staff training and assessment
3.3	Explain the importance of an annual review
4	Understand the risks associated with legionella in hot and cold water systems
4.1	Outline how hot and cold water systems operate
4.2	Describe the factors that contribute to the risk within hot and cold water systems
5	Know how to control the risk of legionella in hot and cold water systems
5.1	Explain the requirement for routine monitoring
5.2	Describe how to carry out routine checks
5.3	State the requirements for carrying out legionella testing
5.4	Explain the requirements for cleaning and disinfection

Assessment

Candidates will be required to successfully complete a multi-choice examination that takes approximately 1 hour to complete.

- The pass rate for the theory examination is 100%
- 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
- 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
- Candidates not achieving 80% after the second attempt or 100% after oral questioning will be deemed to be unsuccessful
- 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 legionella 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 qualification are subject to approval and monitoring by the Cert-ain Certification Ltd. External Verifier to ensure that they have the appropriate personnel and facilities in place to deliver a fair and impartial training and assessment process.

Centres delivering the legionella qualification will be required to provide a practical training facility for the purpose of demonstrating the disinfection process (further details of equipment requirements are available from Cert-ain Certification Ltd.).

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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