

Gas Network Team Leader

Unit SLM02 Conduct Specified Testing of Gas Services

This assessment specification has been developed as part of the gas team leader standard for service layer. The specification details the required skills, knowledge and behaviour that a learner should expect to be assessed against during their training programme. Successful completion of this unit will demonstrate a learner's ability to undertake specified testing and commissioning of gas services up to 63mm in diameter.

The assessment specification is the minimum core standard of these requirements, but this does not preclude employers from enhancing the skills and knowledge of the learner through additional or company specific training. The knowledge and performance criteria should be used as the basis for training input.

What does this specification look like?

Gas network service layers need to be able to:

CST1 Perform test activities

CST2 Use and communicate data and information

CST3 Understand relevant health and safety guidance and legislation used

CST4 Understand specified testing of gas services

What do I need to take this module?

Prior to taking this module, candidates should have completed units IND1 and SMLM08 and be working towards the common core units.

This unit should be delivered in conjunction with SLM01.

Candidates to be **assessed** as competent in this area must successfully meet the criteria listed below or have other unitary evidence demonstrating an equivalent level of competence.

Evidence must be gathered from the workplace on at least one occasion.

Performance Criteria

To achieve this unit you will need to be able to:

Perform test activities

- P1. Work safely in accordance with Health and Safety and Environment Regulations and legislation
- P2. Carry out a site specific risk assessment
- P3. Select and wear the designated PPE
- P4. Protect the test site from third party interference and consequences of test failure on third parties
- P5. Follow and adopt procedures for the use of tools and equipment that are employed when carrying out tests in accordance with work instructions and manufacturers specifications
- P6. Make sure that the equipment is functioning in accordance system operating requirements and parameters
- P7. Carry out all work in accordance with company and statutory procedures
- P8. Demonstrate how to anchor cap ends to withstand test pressures

Use and communicate data and information

- P9. Follow drawings, plans and specifications for the pressure testing of gas network services
- P10. Follow all approved procedures and practices and statutory and regulatory requirements involved in test work activity
- P11. Set up and carry out the tests following work instructions and within agreed timescales
- P12. Review test results to establish that the performance of the system in accordance to specifications and performance parameters
- P13. Record the results of test activity and complete test record documents following reporting systems and using documentation in accordance with company and statutory procedures and requirements

Knowledge and Understanding

To achieve this unit, you will need to know and understand:

General

- K1. The main responsibilities of the employer and employee under the Health and Safety at Work Act
- K2. The health and safety guidance governing work in excavations

- K3. The safe procedures for handling hazardous materials
- K4. Organisational accident recording and reporting procedures
- K5. The range and use of PPE for the work

Specified testing of gas services

- K6. The health, safety and environmental requirements relevant to this activity
- K7. The importance of adequate anchorage during the testing procedure
- K8. How to use various types of test, purging and commissioning specifications for gas mains and services
- K9. How to use various types of test, purging and commissioning equipment, and how to use them correctly
- K10. How to calibrate the relevant pressure gauges, and why they need calibrating.
- K11. How to interpret test results against specifications and codes of practice
- K12. The effect of atmospheric pressure and temperature on test results on mains
- K13. The potential consequences of test failure to the environment

Behaviour which underpins effective performance. You must work in a manner in which you:

- a) Are vigilant to possible risks and hazards
- b) Treat people with civility