

Gas Network Team Leader

Unit MLM03 Conduct Specified Testing of Gas Network Engineering Products or Assets – Mains

This assessment specification has been developed as part of the gas team leader standard for main layer. The specification details the required skills, knowledge and behavior 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 carry out specified testing of gas mains.

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 main layers need to be able to:

- CSTM1 Perform test activities
- CSTM2 Use and communicate data and information
- CSTM3 Resolve problems that arise from technical information and installation work
- CSTM4 Understand relevant health and safety guidance and legislation used
- CSTM5 Understand the specified testing requirements of gas mains

What do I need to take this module?

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

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 two occasions and through a training centre based trade test. Assessment evidence for works on mains of diameter 63mm or below will not be admissible.

Performance Criteria

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

- P1. Perform tasks safely and ensure all work is carried out in accordance with legislative and regulatory requirements
- 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 the consequences of test failure on third parties
- P5. Comply with procedures in accordance with work instructions and manufacturers specifications when using tools and equipment
- P6. Anchor cap ends to withstand test pressures
- P7. Confirm equipment is functioning in accordance with system operating requirements and parameters
- P8. Be able to use and communicate data and information
- P9. Set up and carry out the test activities, within agreed timescales, following agreed industry standards and approved codes of practice
- P10. Review test results to establish that the performance of the system is in accordance to specifications and performance parameters
- P11. Record the results of test activities and complete test record documents following reporting systems
- P12. Use documentation in accordance with company procedures and statutory requirements
- P13. Be able to resolve problems which arise when performing test activities
- P14. Handle problems within the limits of the responsibility of the job role
- P15. Communicate problems outside the responsibilities of the job role to the designated person

Knowledge and Understanding

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

- K1. Health and safety guidance and legislation in utilities network construction operations
- K2. The main responsibilities of the employer and employee under the Health and Safety at Work Act
- K3. The health and safety guidance governing work in excavations
- K4. The safe procedures for handling hazardous materials
- K5. The organisational accident recording and reporting procedures
- K6. The range and use of PPE for the work
- K7. The specified testing requirements of gas network engineering products or assets - mains
- K8. The health, safety and environmental requirements relevant to this activity
- K9. The importance of adequate anchorage during the testing procedure

- K10. How to use various types of test, purging and commissioning specifications for gas mains
- K11. How to use various types of test, purging and commissioning equipment
- K12. How to calibrate the relevant pressure gauges
- K13. Why pressure gauges need calibrating
- K14. How to interpret test results against specifications and codes of practice
- K15. The effect of atmospheric pressure and temperature on test results on mains
- K16. The potential consequences of test failure to the environment