

# Gas Network Team Leader

## Unit SMLMAO03 Conduct Specified Testing of Gas Networks Associated with Leakage Location

This assessment specification has been developed as part of the gas team leader standard for both main and service 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 accurately complete specified testing for leakage location when attending a gas escape.

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 team leaders need to be able to:

- CSTG1 Conduct specified testing of gas networks associated with leakage location
- CSTG2 Use and communicate data and information
- CSTG3 Resolve problems that arise when testing gas networks for leaks
- CSTG4 Understand specified testing of gas networks associated with leakage location
- CSTG5 Understand relevant health and safety guidance and legislation

### What do I need to take this module?

Prior to taking this module, candidates should have completed all "common core mandatory units" and the "mandatory units from the specialist group".

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 and from a purpose designed trade test.

## Performance Criteria

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

- P1. Perform work activities safely at all times in accordance with legislative and regulatory requirements
- P2. Carry out a site specific risk assessment and review in accordance with company procedures
- P3. Select and wear the designated PPE
- P4. Select and use the specified equipment for testing
- P5. Use testing and purging tools and equipment in accordance with industry standards and codes of practice
- P6. Determine the testing methods to be employed and procedure to be followed to locate the escape of gas in ducts and underground apparatus
- P7. Demonstrate bar holing, sampling and escape surveying techniques used on services and mains
- P8. Set up and carry out the tests within agreed timescales
- P9. Use and communicate data and information
- P10. Communicate to individuals affected by the risk control measures in place
- P11. Confirm information provided about safety systems is clear, accurate and concise
- P12. Review the results of the test to make sure the type and precise location of the leak has been established
- P13. Record the results of testing activities using company reporting systems and documentation
- P14. Resolve problems that arise when testing gas networks for leaks
- P15. Handle problems within the limits of the responsibility of the job role
- P16. 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 of gas networks associated with leakage location
- K8. The reporting lines and procedures to be used
- K9. The test procedures that can be used to locate leaks
- K10. The correct and appropriate test procedure for a given situation

- K11. Interpret and follow test procedures and documentation
- K12. How to calibrate the relevant pressure gauge
- K13. Why the relevant pressure gauge should be calibrated
- K14. Interpret test and purging results against specifications
- K15. The consequences of test failures to the public, property and the environment
- K16. The various test records that are required
- K17. The consequences of incorrectly recording and reporting test results in line with industry requirements