

Gas Network Team Leader

Unit SMLMAO04 Analyse and Interpret the Results of Gas Leakage Surveys to Determine the Location of Gas Escapes

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 determine gas leakage levels and then to analyse, record and interpret the results of such leakage surveys and take any necessary action.

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:

- AIGLS1 Analyse and interpret the results of surveys to determine the location of escapes
- AIGLS2 Use and communicate data and information
- AIGLS3 Resolve problems that arise when analysing and interpreting the results of surveys
- AIGLS4 Understand how to analyse and interpret the results of gas leakage surveys to determine the location of gas escapes
- AIGLS5 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 in accordance with legislative and regulatory requirements
- P2. Obtain the necessary test data on which to conduct the analysis
- P3. Analyse data using specified methods in accordance quality assurance standards
- P4. Check the data analysis is accurate, thorough and takes account of the test conditions
- P5. Compare the analysis against the product or asset specification
- P6. Identify faults and variations from specification
- P7. Perform necessary actions based on the findings of the analysis activity
- P8. Use and communicate data and information
- P9. Record the results of the analysis in accordance with company communication and documentation systems
- P10. Record actions taken as a result of the analysis in accordance with company reporting systems and documentation
- P11. Resolve problems that arise when analysing and interpreting the results of surveys
- P12. Resolve inconsistencies in the test data in accordance with company procedures
- P13. Handle problems within the limits of the responsibility of the job role
- P14. 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 health, safety and environment requirements and regulations relating to the management of gas
- K8. How to analyse and interpret the results of gas leakage surveys to determine the location of gas escapes
- K9. The engineering specifications for products and assets, including pressure gauge, pipe supply configurations, and location
- K10. How to use analysis methods and techniques, including comparison of standard conditions with test data

- K11. The various types of standard test documentation and procedures for survey completion
- K12. The measures to take in the event of an escape being located