

Gas Network Team Leader

Unit SMLM07 Joint Materials by Electrofusion Processes on Utilities Network Construction

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 make electrofusion joints ensuring the joint is correctly prepared and fused.

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:

- JMEP1 Make joints using electrofusion techniques
- JMEP2 Use and communicate data and information
- JMEP3 Resolve problems which arise during jointing work
- JMEP4 Understand relevant health and safety guidance and legislation used

What do I need to take this module?

Prior to taking this module, candidates should have completed units IND1 and SMLM08 – Utility SHEA gas.

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:

Make joints using electrofusion techniques

- P1. Carry out site specific risk assessment, and review in accordance to company procedures
- P2. Select and wear the designated PPE
- P3. Work safety and ensure compliance with health, safety, environment and other regulations and guidelines
- P4. Follow the job instructions and procedures accurately for preparing and making the joints
- P5. Check quality and confirm the joint complies with the specified standard for completed joints
- P6. Check that jointing and related equipment and consumables are as specified and fit for purpose
- P7. Make the joints as specified using the correct electrofusion jointing technique
- P8. Produce joints of the required quality and of the specified dimensional accuracy
- P9. Shut down the equipment to a safe condition on completion of jointing activities
- P10. Deal promptly with excess and waste materials and temporary attachments, in line with approved and agreed procedures

Use and communicate data and information

- P11. Follow all approved procedures and practices and statutory and regulatory requirements involved in the work activity
- P12. Check with designated personnel any circumstances where information appears incorrect
- P13. Use organisational information systems to record and store data and information
- P14. Follow all procedures where you are a lone worker

Resolve problems which arise during jointing work

- P15. Report promptly - to the designated person - damage to supply apparatus or jointing equipment
- P16. Resolve day-to-day problems within the responsibility of the job role
- P17. Refer matters outside the responsibility of the job role to the designated people using approved procedures
- P18. Deal with emergency situations as they arise

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 (electrofusion jointing)
- K6. Health, Safety and Environmental legislation and environmental procedures relevant to the work activities
- K7. Manual handling procedures
- K8. Industry codes of practice and company procedures
- K9. How to interpret engineering specifications relevant to the activity
- K10. Different stages that take place during the jointing process and the importance of allowing each phase to complete
- K11. The need for pipe support, alignment and restraining whilst jointing, and the consequences of poor support and misalignment
- K12. Cause and effect of defects and contamination
- K13. Pipe specifications, compatibility, different types of materials
- K14. Maintenance procedures, equipment calibration, consequences of poor maintenance
- K15. Quality assurance procedures that can be applied
- K16. The correct reporting procedures

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