



Gas Network Craftsperson Emergency response Practical Task 9 - DSGE End-Point Assessment

**Dealing with Reported Downstream Gas
Emergencies**

**Task Code DSGE
Level 3**

Practical Task Specification

This specification has been developed as part of the Gas Network Craftsperson emergency response pathway. The specification details the apprentice's required skills, knowledge and behaviour on all relevant matters in relation to dealing with reported downstream gas emergencies.

The 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 and assessment.

Successful completion of this unit should provide evidence that the apprentice has the required knowledge, understanding and performance skills to attend a reported downstream gas emergency and complete site investigations. It will also provide evidence that the apprentice has the required knowledge, understanding and performance skills to attend a report of carbon monoxide leakage or fumes. Completion of this assessment will provide evidence of the apprentice's ability to successfully undertake downstream site investigations taking all action as is necessary.

What does this specification look like?

Gas emergency response apprentices will be able to:

- Respond to reports of gas and gas related emergencies
- Respond to reports of carbon monoxide leakage
- Analyse and interpret the result from gas and carbon monoxide leakage surveys
- Take action as appropriate to safeguard life and property
- Determine the location of upstream gas escapes
- Where possible complete all actions make the situation on site safe

What does the assessment include?

This assessment covers the following requirements for reported downstream gas escapes:

- DSGE1 Minimise risk to life and property when attending a reported gas escape
- DSGE2 Downstream site investigation
- DSGE3 Communication requirements
- DSGE4 Recording, monitoring and reviewing the site

This assessment covers the following requirements for reports of carbon monoxide leakage:

- CME1 Minimise risk to life and property when attending a report of CO
- CME2 Downstream site investigation
- CME3 Communication requirements
- CME4 Recording, monitoring and reviewing the site

To pass the practical task, the apprentice must demonstrate their achievement of all assessment outcomes. This will be evidenced through practical assessment, typically being delivered under simulated conditions, in a realistic workplace environment. Evidence of the apprentice's achievement must be recorded on the assessment templates provided and on the practical task record form. Practical tasks whilst retained within the apprentice's logbook cannot be used as evidence of logbook criteria completion.

The practical assessments must include:

- The correct use of gas detection instrumentation
- The correct deployment of PPE
- The requirement for safeguards to life and property
- Establishing the search area for downstream gas escapes
- Establishing the search area for reports of carbon monoxide leakage
- Investigation of property likely to be affected
- Evacuation of property
- Completion of all relevant documentation

Realistic Working Environments (RWE) Centre Requirements

Centres are responsible for ensuring that the assessment is suitably controlled to ensure that assessment decisions are valid and reliable, and that work submitted for assessment by the apprentice is prepared and produced by them independently, without assistance from others, and free of plagiarism.

The practical task must be designed following the guidance and requirements given in this document. The Technical Expert checklist must be adhered to and cannot be altered without prior written consent from EUIAS.

Centres may deliver this practical task and practical task USGE as a combined assessment.

Where the combined option is used, the performance and knowledge criteria of each unit assessment must be satisfied and the respective Technical Expert checklists must be completed.

Appropriate normative and / or company specific documentation should be made available to the apprentice throughout the assessment process. This will include any forms or templates used for the recording of information.

Practical Task Centre Requirements

The practical task must be assessed by a technically competent Technical Expert who is independent of the apprentice; please refer to the gas network craftsperson scheme handbook for further details.

The assessment area must be designed to make provision for the apprentice to effectively deal with a reported downstream gas escape and should include:

- A typical house or building with a door and open-able windows; this should be furnished to basic requirements and contain the following:
 - A live gas supply*
 - Gas meter
 - Gas appliances that are operable
 - Examples of faulty gas appliances or installation faults
 - Live electrical supply*
 - Ducts or conduits that enter the property
 - Telecoms*
 - Water*

*Where this is delivered in an assessment centre the supply may be connected from an internal system but should appear as though it is connected to the mains supply.

- Tools and equipment used during the investigation of an upstream gas escape including:
 - Gas detection instrumentation
 - Personal monitors
 - Fire extinguishers
 - Signs and barriers as necessary
 - All appropriate PPE
- Documentation to assist in the site survey including:
 - Forms and / or templates used for the recording of survey results
- The centre should have a minimum of three different, documented assessment scenarios for both reported gas escapes and reports of carbon monoxide leakage; these must allow the apprentice to meet the requirements of the performance criteria
- The assessment scenarios must have unique identification numbers and this number shall be recorded on the Technical Expert checklist
- The assessment scenarios should be made available to the EUIAS or a representative thereof as required
- Centres are free to arrange the assessment area to suit their requirements providing that the conditions of providing a realistic working environment are met:
 - This should be under controlled conditions and not on a “live” job
 - This could be in a training centre or simulated in a real working environment

- The area used for assessment should be designed for such purposes and the apprentice must not have previously completed the same assessment scenario in this area
- The use of persons to play the part of the occupiers of property could be considered, but where used the Technical Expert must be vigilant to ensure that such persons do not lead or prompt the apprentice during the assessment

Apprentice Requirements

To achieve a pass in these assessments the apprentice must complete all of the following:

- Ensure all health and safety requirements are observed throughout the assessment
- Confirm all equipment to be used is serviceable and within its calibration date
- Assess the work site by ensuring that all work areas are free from hazards
- Complete the gas escape priority actions
- Safely access and assess the work location and complete visual inspections
- Confirm the availability of all appropriate information required to complete the task
- Undertake an effective search of the property in line with company procedures
- Identify utility services and other entry points within the building and investigate these as appropriate
- Accurately record the findings on site
- Accurately interpret the findings on site and take action as appropriate
- Request assistance as required
- Communicate with internal and external authorities as required

Grading

This assessment is graded as Pass or Fail. The Technical Expert will determine successful completion of the practical tasks using the Technical Expert checklist. This will determine Pass or Fail.

Assessment Duration

The apprentice has a maximum of 4 hours to complete this assessment.