



Gas Network Craftsperson Emergency response Practical Task 8 - USGE End-Point Assessment

Dealing with Reported Upstream Gas Emergencies

**Task Code USGE
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 upstream gas emergencies.

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 and assessment.

Successful completion of this practical task will provide evidence that the apprentice has the required knowledge, understanding and performance skills to attend a reported upstream gas emergency and complete 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
- Analyse and interpret the result from 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:

- Minimise risk to life and property when attending a reported gas escape
- Upstream site investigation
- Communication requirements
- Recording, monitoring and reviewing the site

The apprentice must demonstrate their achievement of all assessment outcomes. This will be evidenced through the practical task observation, typically being delivered under simulated conditions, in a realistic workplace environment. Evidence of the apprentice's observation must be recorded on the assessment templates provided by the EUIAS and on the practical task record form.

The practical task 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 upstream gas escapes

- Investigation of property where affected
- Completion of all relevant documentation

Realistic Working Environments (RWE) Centre Requirements

Centres are responsible for ensuring that the RWE 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 DSGE 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 assessment area must be designed to make provision for the apprentice to effectively deal with a reported upstream gas escape and should include:

- A typical street layout including the following:
 - Roadway and pavement structure
 - Street furniture, for example:
 - Telecom covers
 - Valve boxes
 - Drain covers
- Tools and equipment used during the investigation of an upstream gas escape including:
 - Gas detection instrumentation
 - Fire extinguishers
 - Plant location and avoidance tools
 - Bar hole tool
 - Signs and barriers as necessary
 - All appropriate PPE

- Documentation to assist in the site survey including:
 - Plans or maps showing gas mains position
 - Plans or maps showing electrical cables
 - Forms and / or templates used for the recording of survey results
- The centre should have a minimum of three different, documented assessment scenarios that 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
- The assessment area must be devoid of any markings from previous assessments
- 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 condition 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 practical task must be conducted under the supervision of a technical expert from the apprentice's employer. The technical expert will write a factual account of the practical task using the EUIAS documentation, therefore verifying whether the task was completed appropriately. The practical task is administered by the employer. The employer technical expert must be approved and trained by the EUIAS. The employer technical expert must be independent of the apprentice; please refer to the Gas Network Craftsperson Assessment Plan page 9 and Section 5 of the Specification for further details.

Apprentice Requirements

The apprentice must successfully 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
- Assess the work location, referring to plans and complete visual inspections
- Confirm the availability of all appropriate information required to complete the task
- Establish the search area in line with company procedures

- Identify utility services 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

Will take place during Session 1 of the technical interview, underpinned by the logbook. Session 1 will only focus on the practical task (post gateway evidence). The employer technical expert will complete a factual account of the practical task and submit the outcomes to the EUIAS for the independent assessor to review. The factual account of the task will be used to inform questioning in Session 1 of the interview. It must not be referenced in Session 2.

The independent assessor who conducts the interviews will combine the result of Session 1 (practical task – post gateway) and Session 2 (on-programme – post gateway) to determine the overall technical interview grade. A fail in either of the two parts will result in the technical interview fail grade being awarded. The technical interview pass and distinction grading combinations are shown in table 5 of the Assessment Plan on page 19 and in Section 5 of the GNC Emergency Response Specification.

Assessment Duration

The apprentice has 3 hours to complete this assessment.