

## **GSR Aligned Experience and Assessment Requirements 2020**

Common assessment strategy

*Experience and Assessment Requirements for Candidates  
carrying out qualifications and certificates leading to Gas Safe  
Registration*

## 1. Introduction

The purpose of this assessment strategy is to provide a common delivery strategy for Awarding Organisations (AO's) that award Regulated Qualifications recognised by the Strategic Management Board (SMB) and the Gas Safe Register as acceptable for the purposes of Gas Safe registration.

The key areas of this strategy identify:

- Which aspects must be assessed through performance in the workplace?
- The extent to which a realistic work environment and simulated working conditions may be used to assess competence
- The range requirements of each appliance group

## 2. Assessment Tables

Candidates must demonstrate competence on each appliance through assessment in line with the Industry Assessment Tables contained on the following pages.

The gas industry is highly regulated regarding safety requirements and this is reflected in these qualifications. Certain gas safety related assessments must only be carried out under simulated conditions. Gas safety critical activities within the units will normally be assessed in an RWE and where necessary these requirements are incorporated in the following tables.

Candidates must demonstrate competence in the workplace during the performance of genuine work activities, by carrying out the tasks and duties that would be reasonably expected of them as a competent operative.

Candidates will be expected to have demonstrated competence in the assessed tasks over a period of time under normal working conditions to generate a sufficiency of practical evidence. In addition to the specified observed workplace assessment(s), the assessment of experience must include evidence gathered directly from the workplace, as required for each unit in the following tables.

Where the minimum numbers of occasions have been completed in the workplace, but the full range has not been covered, this additional range may be additionally covered in the RWE.

Each activity that forms part of the practical evidence will need to be signed off by an assessor or a technically and occupationally competent expert witness then assessor as appropriate.

## 3. Roles and Responsibilities

### 3.1. Principal Assessor

To include the following:

- Occupationally competent in the sector/qualification being assessed.
- Assessor qualified and registered with the centre.
- Principal Assessors must be fully conversant with the assessments and subject to annual review by an IQA.

### 3.2. Expert Observer

To include the following:

- Occupationally competent, suitably experienced, trained and registered with the centre.
- Training must include the requirements of assessment and the completion of related direct observation documentation.
- Training must be documented and recorded within quality assurance documentation and be subject to annual review by an IQA

- Expert Observers will be subject to the same internal quality assurance process as Assessors (see note\* relating to enhanced quality assurance).
- Expert Observers must demonstrate proof of gas safe registration

### 3.2.1. Direct observations

Must be carried out by a:

- Principal Assessor - **OR**
- Expert Observer

Where direct observation is carried out by the expert observer, the observation documentation must be counter signed by the principal assessor and subject to \*enhanced quality assurance.

### 3.3. Expert Witness

To include the following:

- Expert witnesses will be required to sign candidate evidence such as reflective accounts, witness testimonies and supporting documents to authenticate and ensure validity.
- Expert witnesses must be occupationally competent and have \*\*suitable industry experience
- Expert witnesses must demonstrate proof of gas safe registration.

### 3.4. Mentor

To include the following:

- Primary responsibilities are to offer support and guidance to Candidates throughout the Programme and confirm suitability for assessment.
- Occupationally competent and have suitable industry experience.

### 3.5. Internal Quality Assurer

To include the following:

Qualified in internal quality assurance and either occupationally competent in the sector/qualification being quality assured or accompanied by an independent occupationally competent person where required.

#### **Notes:**

*\*Enhanced quality assurance could include, additional IQA observations, detailed feedback, regular review, increased sampling and detailed action planning*

*\*\*Suitable experience - personnel will have experience applying their skills and associated competences within industry and it is expected they have a minimum of 2 years post qualification experience*

*Where either Expert Observers, Expert Witnesses and Mentors are the same person the centre must identify, record and mitigate any conflicts of interest and risk to impartiality*

### **3.6 Conflict of interests**

Assessors involved in providing direct training to a learner, either as part of a group or on a 'one to one' basis should not carry out assessment for any of those trained aspects.

Alternatively, centres must agree effective quality control measures (includes enhanced IQA and data monitoring) with the certification body (this could be an assessment organisation or awarding body etc.) to ensure that any potential conflicts of interest do not have an adverse effect on assessment outcomes. Any potential conflict of interest must be documented and available for scrutiny in line with the certification bodies conflict of interests policy

### **4. Workplace assessment**

This outlines which aspects must always be assessed through performance in the workplace.

Workplace evidence is gathered through activities carried out for a customer at the learner's place of work.

### **5. Realistic Working Environment**

Is a simulated environment contained within the Centre/ Simulated conditions must represent real work environment with all required equipment and services to carry out the task. Directly observed assessments in a Realistic Working Environment must be different to those have been used for training purposes.

### **6. Learner's Portfolio**

The learner portfolio documents the evidence which will demonstrate learner has completed the assessments.

The 'Learner's Portfolio' may include the following:

- Observation records
- Reflective accounts with supporting evidence such as photographs and jobs sheets signed by the expert witness
- Additional supplementary evidence

### **7. Training requirements**

The training requirements included these qualifications will be audited separately through the IGEM/IG/1 standard and Training Specifications.

### **8. Matters of Gas Safety**

The relevant Matters of Gas Safety (MoGS) competence criteria shall be incorporated in FULL in the assessments undertaken by the Candidate to permit Gas Safe registration. It is essential that the Awarding Organisations/Awarding Bodies update their Assessors and Assessment Materials to ensure that any changes to these criteria are reflected in the performance of the candidate from the date they become effective. (for example: if the IGEM/UP/1B Testing procedure changed six months prior to the candidate completing the qualification, all assessments including testing from the change date, must be completed against the changed procedure standard).

### **9. Requirements for assessment**

The Domestic Natural Gas qualifications are assessed through a combination of workplace assessment, simulation assessment and knowledge assessment.

### **10. Necessary Training**

Candidates must not be entered for assessment unless they are ready. Each section

requires signatures to confirm training has been completed before assessment to acknowledge appropriate level and sufficiency of training and experience has been met.

**11. ACS acceptance as part of an aligned qualification**

ACS evidence can be accepted against the centre based knowledge and practical assessments criteria contained in the Matters of Gas Safety criteria. The requirements are as follows:

**a. ACS obtained prior to registration.**

Where ACS is obtained prior to registration all assessments of experience and workplace assessment requirements tabulated in this document must be completed and evidenced prior to qualification completion.

**b. ACS obtained whilst undertaking the qualification.**

Where ACS is obtained whilst undertaking a qualification, all the assessment of experience and industry evidence requirements tabulated within this document must be achieved prior to the completion of the ACS.

**Note: The relevant ACS assessments, must have at least 36 months remaining until the individual assessments expire at the time of claiming the full qualification.**

**Assessments** are color coded to assist with requirements

Color code	Description	Codes for Assessment
Green	Directly observed	<p><b>DOS</b> – Directly observed real life activity onsite</p> <p><b>DOC</b> – Directly observed simulated realistic activity in centre</p>
Orange	Reflective account with supporting evidence and signed by expert witness	<p><b>RAS</b> – Reflective Account Site from site with supporting evidence</p> <p><b>RAC</b> – Reflective Account Centre from simulated centre with supporting evidence</p>

<b>EXEMPLAR - Install, service and fault find domestic gas cookers, tumble dryers and leisure appliances</b>			
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment			
Candidates must be assessed on the minimum amount of occasions identified below			
The MoGS for CCN1, CKR1, LAU1 and LEI 1 must be assessed			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:	<i>D. Trainor</i>	Date	<i>25.06.2033</i>
Candidate signature	<i>A. Candidate</i>	Date	<i>25.06.2033</i>
<b>Assessment Requirements</b>			
<b>Total</b> – 14 assessments for installation, service and fault finding	<i>Install</i>	<i>Service</i>	<i>Fault Finding</i>
<b>Assessment 1</b> Directly Observed All three must be DO One must be DO on site The other two may be DO on site or in centre	<i>DOS</i>	<i>DOC</i>	<i>DOS</i>
<b>Assessment 2</b> Directly Observed All three must be DO One must be DO on site The other two may be DO on site or in centre	<i>DOS</i>	<i>DOC</i>	<i>DOC</i>
<b>Assessment 3</b> Reflective Account Minimum of 2 accounts must come from site 1 account may be simulated	<i>RAS</i>	<i>RAC</i>	<i>RAS</i>
<b>Assessment 4</b> Reflective Account Minimum of 2 accounts must come from site 1 account may be simulated	<i>RAS</i>	<i>RAC</i>	<i>RAS</i>
<b>Assessment 5</b> Reflective Account (2 from either install, service or fault) Minimum of 1 account must come from site 1 account may be simulated	<i>RAS</i>	<i>NA</i>	<i>RAC</i>
<b>Assessment to include</b>			
<ul style="list-style-type: none"> <li>• Installation of appliance</li> <li>• Full service of an appliance</li> <li>• Fault find on appliance</li> <li>• Completion of associated documentation</li> </ul>			
<b>Range:</b>			
<ul style="list-style-type: none"> <li>• Free Standing Cooker</li> <li>• Hob</li> <li>• Flexible Connection</li> <li>• Rigid Connection</li> </ul>			

**Industry Assessment Tables:**

<b>Install, service and fault find domestic gas cookers, tumble dryers and leisure appliances</b>			
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment			
Candidates must be assessed on the minimum amount of occasions identified below: The MoGS for CCN1, CKR1, LAU1 and LEI 1 must be assessed			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<b>Total</b> – 14 assessments for installation, service and fault finding	<b>Install</b>	<b>Service</b>	<b>Fault Finding</b>
<b>Assessment 1</b>	<b>Directly Observed</b> All three must be DO One must be DO on site The other two may be DO on site or in centre		
<b>Assessment 2</b>	<b>Directly Observed</b> All three must be DO One must be DO on site The other two may be DO on site or in centre		
<b>Assessment 3</b>	<b>Reflective Account</b> Minimum of 2 accounts must come from site 1 account may be simulated		
<b>Assessment 4</b>	<b>Reflective Account</b> Minimum of 2 accounts must come from site 1 account may be simulated		
<b>Assessment 5</b>	<b>Reflective Account</b> <b>(2 from either install, service or fault)</b> Minimum of 1 account must come from site, 1 account may be simulated		
<b>Assessment to include</b>			
<ul style="list-style-type: none"> <li>• Installation of appliance</li> <li>• Full service of an appliance</li> <li>• Fault find on appliance</li> <li>• Completion of associated documentation</li> </ul>			
<b>Range:</b>			
<ul style="list-style-type: none"> <li>• Free Standing Cooker</li> <li>• Hob</li> <li>• Flexible Connection</li> <li>• Rigid Connection</li> </ul>			

<b>Install, maintain and repair domestic gas space heating appliances</b>			
The MoGS for CCN1 and HTR1 must be assessed			
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment			
Candidates must be assessed on the minimum amount of occasions and range as identified below			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<b>Total</b> – 14 assessments for installation, service and fault finding	<i><b>Install</b></i>	<i><b>Service</b></i>	<i><b>Fault finding</b></i>
<b>Assessment 1</b>	<b>Directly Observed</b> All three must be DO One must be DO on site The other two may be DO on site or in centre		
<b>Assessment 2</b>	<b>Directly Observed</b> All three must be DO One must be DO on site The other two may be DO on site or in centre		
<b>Assessment 3</b>	<b>Reflective Account</b> Minimum of 2 accounts must come from site 1 account may be simulated		
<b>Assessment 4</b>	<b>Reflective Account</b> Minimum of 2 accounts must come from site 1 account may be simulated		
<b>Assessment 5</b>	<b>Reflective Account (2 from either install, service or fault)</b> Minimum of 1 account must come from site, 1 account may be simulated		
<b>Assessment to include</b>			
<ul style="list-style-type: none"> <li>• New or replacement appliance</li> <li>• Associated pipework connections</li> <li>• Associated flueing</li> <li>• Commission, handover and completion of relevant documentation</li> </ul>			
<b>Range</b> – at least two of the following			
<ul style="list-style-type: none"> <li>• Outset Gas Fire</li> <li>• Inset Live Fuel Effect Gas Fire</li> <li>• Decorative Fuel Effect Appliance</li> <li>• Convector Heater</li> </ul>			



<b>Install, service and fault find gas water heating and wet central heating appliances</b>			
The MoGS for CCN1 and CENWAT must be assessed			
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment			
Candidates must be assessed on the minimum amount of occasions and range as identified below			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<b>Total</b> – 14 assessments for installation, service and fault finding	<i><b>Install</b></i>	<i><b>Service</b></i>	<i><b>Fault finding</b></i>
<b>Assessment 1</b> <b>Directly Observed</b> All three must be DO One must be DO on site The other two may be DO on site or in centre			
<b>Assessment 2</b> <b>Directly Observed</b> All three must be DO One must be DO on site The other two may be DO on site or in centre			
<b>Assessment 3</b> <b>Reflective Account</b> Minimum of 2 accounts must come from site 1 account may be simulated			
<b>Assessment 4</b> <b>Reflective Account</b> Minimum of 2 accounts must come from site 1 account may be simulated			
<b>Assessment 5</b> <b>Reflective Account (2 from either install, service or fault)</b> Minimum of 1 account must come from site, 1 account may be simulated			
<b>Assessment to include</b>			
<ul style="list-style-type: none"> <li>• New or replacement appliance</li> <li>• Associated pipework connections</li> <li>• Associated flueing</li> <li>• Commission, handover and completion of relevant documentation</li> </ul>			
<b>Range</b> – at least two different types of appliance must be covered from the following list			
<ul style="list-style-type: none"> <li>• Traditional Boiler (open flued and room sealed)</li> <li>• System Boiler</li> <li>• Combination Boiler</li> <li>• Multi point water heater</li> </ul>			

<b>Install, service and fault find gas ducted air heaters systems and appliances</b>			
The MoGS for CCN1 and DAH1 must be assessed			
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment			
Candidates must be assessed on the minimum amount of occasions and range as identified below			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<b>Total</b> – 14 assessments for installation, service and fault finding	<i><b>Install</b></i>	<i><b>Service</b></i>	<i><b>Fault finding</b></i>
<b>Assessment 1</b> <b>Directly Observed</b> All three must be DO One must be DO on site The other two may be DO on site or in centre			
<b>Assessment 2</b> <b>Directly Observed</b> All three must be DO One must be DO on site The other two may be DO on site or in centre			
<b>Assessment 3</b> <b>Reflective Account</b> Minimum of 1 account must come from site 2 accounts may be simulated			
<b>Assessment 4</b> <b>Reflective Account</b> Minimum of 1 account must come from site 2 accounts may be simulated			
<b>Assessment 5</b> <b>Reflective Account (2 from either install, service or fault)</b> Minimum of 1 account must come from site, 1 account may be simulated			
<b>Assessment to include</b> <ul style="list-style-type: none"> <li>• New or replacement appliance</li> <li>• Associated pipework connections</li> <li>• Associated flueing connections</li> </ul>			
<b>Range: at least 2 of the following</b> <ul style="list-style-type: none"> <li>• Ducted Air Heater <ul style="list-style-type: none"> <li>o Open-Flued Natural Draught Appliance</li> <li>o Room Sealed Fanned Draught Appliance</li> <li>o Compartment Installation</li> <li>o Positive Return Air Duct</li> </ul> </li> </ul>			

<b>Installation of gas pipework (<math>\leq 35</math> mm)</b>			
The MoGS for CCN1 must be assessed			
Candidates must have been taught on requirements across a range pipework and fittings prior to assessment			
Candidates must be assessed on the minimum amount of occasions and range as identified below			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<p><b>Total</b> - 5 assessments install gas pipework; these may be related directly to the installation requirements of an appliance</p> <p><b>Note: at least 2 assessments must come from site</b></p>			
<b>Assessment 1</b>	<p><b>Directly Observed</b></p> <p>May be DO on site or in centre</p>		
<b>Assessment 2</b>	<p><b>Directly Observed</b></p> <p>May be DO on site or in centre</p>		
<b>Assessment 3</b>	<p><b>Reflective Account</b></p> <p>May be from site or simulated in centre</p>		
<b>Assessment 4</b>	<p><b>Reflective Account</b></p> <p>May be from site or simulated in centre</p>		
<b>Assessment 5</b>	<p><b>Reflective Account</b></p> <p>May be from site or simulated in centre</p>		
<b>Installation to include</b>			
<ul style="list-style-type: none"> <li>• New or replacement pipework</li> <li>• Associated pipework fixings and joints</li> </ul>			
<p><b>Range</b> – at least two different pipe material types must be covered from the following list.</p> <ul style="list-style-type: none"> <li>• Copper Tube*</li> <li>• Steel Tube</li> <li>• Corrugated Stainless Steel Tube (CSST)</li> <li>• Polyethylene Tube (pe)</li> </ul> <p>* mandatory</p>		<p><b>Secondary Range</b> – at least two of the following</p> <ul style="list-style-type: none"> <li>• Capillary Joints*</li> <li>• Compression Joints</li> <li>• CSST Joints</li> <li>• Screwed Joints</li> <li>• Fabricated bending using mechanical tools</li> </ul> <p>* mandatory</p>	

<b>Gas tightness testing and direct purging (IGEM/UP/1B)</b>			
The MoGS for CCN1 must be assessed			
Candidates must have been taught on requirements across a range of meters & pipework and appliance applications prior to assessment			
Candidates must be assessed on the minimum amount of occasions and range as identified below			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<b>Total - 5 assessments - Tightness testing and purging of gas installations</b>			
<b>Note: at least 2 assessments must come from site</b>			
<b>Assessment 1</b>	<b>Directly Observed</b> May be DO on site or in centre		
<b>Assessment 2</b>	<b>Directly Observed</b> May be DO on site or in centre		
<b>Assessment 3</b>	<b>Reflective Account</b> May be from site or simulated in centre		
<b>Assessment 4</b>	<b>Reflective Account</b> May be from site or simulated in centre		
<b>Assessment 5</b>	<b>Reflective Account</b> May be from site or simulated in centre		
<b>Assessment to include</b>			
<ul style="list-style-type: none"> <li>• Purge*</li> <li>• Tightness test</li> <li>• Completion of associated documentation</li> </ul> <p>*may be simulated in Centre where evidence on site is not available</p>			
<b>Range – cover each of the following</b>			
<ul style="list-style-type: none"> <li>• New installation</li> <li>• Existing installation*</li> </ul> <p>*purging may be simulated in Centre where evidence on site is not available</p>			

<b>Install gas meters and regulators (<math>\geq 2.5 \text{ m}^3/\text{h} \leq 16 \text{ m}^3/\text{h}</math>)</b>			
The MoGS for CMA1/CESP1/CCN1 and MET4 must be assessed			
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment			
Candidates must be assessed on the minimum amount of occasions and range as identified below			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<b>Total</b> - 10 assessments - Installation of a gas meter			
<b>Note: at least 4 assessments must come from site</b>			
<b>Assessment 1 &amp; 2</b>	<b>Directly Observed</b>		
	<i>May be DO on site or in centre</i>		
<b>Assessment 3, 4, 5 &amp; 6</b>	<b>Reflective Account</b>		
	<i>May be from site or simulated in centre</i>		
<b>Assessment 7, 8, 9 &amp; 10</b>	<b>Reflective Account</b>		
	<i>May be from site or simulated in centre</i>		
<b>Assessment to include</b>			
<ul style="list-style-type: none"> <li>• New or replacement meter</li> <li>• Associated pipework connections</li> <li>• Commission, handover and completion of relevant documentation</li> </ul>			
<b>Range:</b>			
<ul style="list-style-type: none"> <li>• Internal Installation</li> <li>• Surface or Built in Meter Box</li> <li>• Semi Concealed Meter Box</li> </ul>			

<b>Install gas meters and regulators</b> ( $\geq 2.5 \text{ m}^3/\text{h} \leq 1076 \text{ m}^3/\text{h}$ )			
The MoGS for CMA1/CESP1/CCN1 and CMET1 must be assessed			
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment			
Candidates must be assessed on the minimum amount of occasions and range as identified below			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<b>Total</b> - 10 assessments - Installation of a gas meter and regulators			
<b>Note: at least 4 assessments must come from site</b>			
<b>Assessment 1 &amp; 2</b>	<b>Directly Observed</b>		
	<i>May be DO on site or in centre</i>		
<b>Assessment 3, 4, 5, 6</b>	<b>Reflective Account</b>		
	<i>May be from site or simulated in centre</i>		
<b>Assessment 7, 8, 9 and 10</b>	<b>Reflective Account</b>		
	<i>May be from site or simulated in centre</i>		
<b>Assessment to include</b>			
<ul style="list-style-type: none"> <li>• New or replacement meter</li> <li>• Associated pipework connections</li> <li>• Commission, handover and completion of relevant documentation</li> </ul>			
<b>Range 1</b>		<b>Range 2</b> – at least two of the following	
<ul style="list-style-type: none"> <li>• Diaphragm Meter <math>&gt;16\text{m}^3/\text{hr}</math>. <math>&lt;160 \text{ m}^3/\text{h}</math></li> <li>• Rotary Displacement Meter <math>\leq 1076 \text{ m}^3/\text{h}</math></li> </ul>		<ul style="list-style-type: none"> <li>• Low Pressure Fed Supply</li> <li>• Medium Pressure Fed Supply</li> <li>• Internal Installation</li> <li>• Meter Kiosk</li> </ul>	

<b>Dealing with reported gas upstream emergencies</b>	
The MoGS for CESP1 must be assessed	
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment Candidates must be assessed on the minimum amount of occasions and range as identified below	
The candidate has covered necessary training required prior to the industry assessment	
Mentor signature:	Date
Candidate signature	Date
<b>Assessment Requirements</b>	
<b>Total - 10 assessments - Dealing with reported gas upstream emergencies</b> <b>Note: at least 4 assessments must come from site</b>	
<b>Assessment 1 &amp; 2</b>	<b>Directly Observed</b> <i>May be DO on site or in centre</i>
<b>Assessment 3, 4, 5, 6</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>
<b>Assessment 7, 8, 9 and 10</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>
<b>Assessment to include</b> <ul style="list-style-type: none"> <li>• New or replacement meter</li> <li>• Associated pipework connections</li> <li>• Commission, handover and completion of relevant documentation</li> </ul>	
<b>Range 1</b> – at least two of the following <ul style="list-style-type: none"> <li>• Gas Distribution Assets</li> <li>• Low Pressure leakage</li> <li>• Medium Pressure leakage</li> <li>• LPG Installations</li> <li>• Non- Domestic Premises</li> <li>• Domestic Premises</li> <li>• Confined Spaces</li> </ul>	<b>Range 2</b> – at least two of the following <ul style="list-style-type: none"> <li>• Site Survey</li> <li>• Risk Assessment</li> <li>• Evacuation and Reoccupation</li> <li>• No Access/forced entry</li> <li>• Reported Poor Pressure</li> <li>• Detection Methods</li> <li>• Concentration Readings</li> <li>• Water Ingress to assets</li> <li>• No Trace</li> <li>• Third Party Liaison/ Verbal Communication/ Documented Reporting</li> </ul>

<b>Dealing with reported gas downstream emergencies</b>			
The MoGS for CESP1 must be assessed			
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment			
Candidates must be assessed on the minimum amount of occasions and range as identified below			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<b>Total - 10 assessments - Dealing with reported gas downstream emergencies</b>			
<b>Note: at least 4 assessments must come from site</b>			
<b>Assessment 1 &amp; 2</b>	<b>Directly Observed</b>		
	<i>May be DO on site or in centre</i>		
<b>Assessment 3, 4, 5, 6</b>	<b>Reflective Account</b>		
	<i>May be from site or simulated in centre</i>		
<b>Assessment 7, 8, 9 and 10</b>	<b>Reflective Account</b>		
	<i>May be from site or simulated in centre</i>		
<b>Assessment to include</b>			
<ul style="list-style-type: none"> <li>• New or replacement meter</li> <li>• Associated pipework connections</li> <li>• Commission, handover and completion of relevant documentation</li> </ul>			
<b>Range 1 – at least two of the following</b>		<b>Range 2 – at least two of the following</b>	
<ul style="list-style-type: none"> <li>• Meter and Regulator</li> <li>• Internal Appliances</li> <li>• Domestic Premises</li> <li>• Non - Domestic Premises</li> <li>• Low Pressure Installation</li> <li>• Medium Pressure Installation</li> </ul>		<ul style="list-style-type: none"> <li>• Controlled</li> <li>• Uncontrolled</li> <li>• LPG escapes</li> <li>• No Gas</li> <li>• No Trace</li> <li>• Reports of Fumes</li> <li>• Blocked Chimneys</li> <li>• Gas Ingress to Premises</li> <li>• Evacuation and Reoccupation</li> <li>• Third Party Liaison</li> <li>• Teamworking</li> <li>• Leaving site in safe condition</li> <li>• Verbal Communication/ Documented Reporting</li> </ul>	



<b>Strength testing, tightness testing and direct purging (IGEM/UP/1A)</b>			
The MoGS for CMA1/CESP1 and TPCP1A must be assessed			
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment			
Candidates must be assessed on the minimum amount of occasions and range as identified below			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<b>Total - 5 assessments - Strength testing, tightness testing and direct purging (IGEM/UP/1A)</b>			
<b>Note: at least 2 assessments must come from site</b>			
<b>Assessment 1</b>	<b>Directly Observed</b> <i>May be DO on site or in centre</i>		
<b>Assessment 2</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>		
<b>Assessment 3</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>		
<b>Assessment 4</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>		
<b>Assessment 5</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>		
<b>Assessment to include</b>			
<ul style="list-style-type: none"> <li>• Strength test</li> <li>• Tightness test and purge</li> <li>• Completion of associated documentation</li> </ul>			
<b>Range – cover at least three of the following</b>		<b>Range – cover at least three of the following</b>	
<ul style="list-style-type: none"> <li>• Strength Test</li> <li>• Tightness Test</li> <li>• Commissioning Purge</li> <li>• Decommissioning Purge</li> </ul>		<ul style="list-style-type: none"> <li>• New Installation</li> <li>• Existing Installation</li> <li>• Pipework Only</li> <li>• Metered Installation</li> <li>• Appliance Connection Test</li> </ul>	

<b>Prepare, install and commission natural gas smart meter and regulator (<math>\leq 6 \text{ m}^3/\text{h}</math>)</b> The MoGS for CMA1/CMA3/CCN1 and MET1 must be assessed			
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment Candidates must be assessed on the minimum amount of occasions and range as identified below			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<b>Total - 10 assessments - Prepare, install and commission natural gas smart meter and regulator (<math>\leq 6 \text{ m}^3/\text{h}</math>)</b> <b>Note: at least 4 assessments must come from site</b>			
<b>Assessment 1 &amp; 2</b>	<b>Directly Observed</b>  <i>May be DO on site or in centre</i>		
<b>Assessment 3, 4, 5, 6</b>	<b>Reflective Account</b>  <i>May be from site or simulated in centre</i>		
<b>Assessment 7, 8, 9 and 10</b>	<b>Reflective Account</b>  <i>May be from site or simulated in centre</i>		
<b>Assessment to include</b> <ul style="list-style-type: none"> <li>• New or replacement Smart Meter <math>\leq 6 \text{ m}^3/\text{h}</math></li> <li>• Associated pipework connections</li> <li>• Commission, handover and completion of relevant documentation</li> </ul>			
<b>Range – at least four of the following</b> <ul style="list-style-type: none"> <li>• Low Pressure Fed Supply</li> <li>• Internal Installation</li> <li>• Surface or Built in Meter Box</li> <li>• Semi Concealed Meter Box</li> <li>• New Installation</li> <li>• Installation Exchange</li> </ul>			

<b>Low pressure smart meter tightness testing and direct purging (IGEM/UP/1B)</b>			
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment			
Candidates must be assessed on the minimum amount of occasions and range as identified below			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<b>Total - 5 assessments - Low pressure smart meter tightness testing and direct purging (IGEM/UP/1B)</b> <b>Note: at least 2 assessments must come from site</b>			
<b>Assessment 1</b>	<b>Directly Observed</b> <i>May be DO on site or in centre</i>		
<b>Assessment 2</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>		
<b>Assessment 3</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>		
<b>Assessment 4</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>		
<b>Assessment 5</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>		
<b>Assessment to include</b> <ul style="list-style-type: none"> <li>• Natural Gas Installations</li> <li>• Tightness test</li> <li>• purge</li> <li>• Completion of associated documentation</li> </ul>			
<b>Range</b> – each of the following <ul style="list-style-type: none"> <li>• Purge Natural Gas Installation with Volume</li> <li>• <math>\leq 0.02 \text{ m}^3</math></li> <li>• Purge Natural Gas Installation with Volume               <ul style="list-style-type: none"> <li>○ <math>0.02 \text{ m}^3 \leq 0.035 \text{ m}^3</math></li> </ul> </li> <li>• New Installation</li> <li>• Existing Installation</li> </ul>			

<b>Prepare, install and commission gas meter and regulator</b> ( <i>Natural Gas Meter <math>\leq 6 \text{ m}^3/\text{h}</math> with MOPu <math>&gt; 75 \text{ mbar} \leq 2 \text{ bar}</math></i> ) The MoGS for CMA1/CMA3/CCN1, MET1 and REGT1 must be assessed			
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment Candidates must be assessed on the minimum amount of occasions and range as identified below			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<b>Total - 5 assessments - Prepare, install and commission smart gas meter and regulator</b> <b>Note: at least 2 assessments must come from site</b>			
<b>Assessment 1</b>	<b>Directly Observed</b> <i>May be DO on site or in centre</i>		
<b>Assessment 2</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>		
<b>Assessment 3</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>		
<b>Assessment 4</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>		
<b>Assessment 5</b>	<b>Reflective Account</b> <i>May be from site or simulated in centre</i>		
<b>Assessment to include</b> <ul style="list-style-type: none"> <li>• Natural Gas Installations</li> <li>• Tightness test</li> <li>• purge</li> <li>• Completion of associated documentation</li> </ul>			
<b>Range</b> – each of the following <ul style="list-style-type: none"> <li>• Medium Pressure Fed Supply</li> <li>• Regulator Incorporating a Slam Shut Valve (SSV) (<i>PRS 28/E</i>)</li> <li>• Regulator Incorporating a Metering Installation Excess Flow Valve (MIEFV) (<i>PRS 29/E</i>)</li> <li>• Surface or Built in Meter Box</li> <li>• Semi Concealed Meter Box</li> <li>• New Installation</li> <li>• Installation Exchange (<i>Existing Installation with NO Meter Inlet Valve (MIV)</i>)</li> </ul>			

<b>Smart Gas Meter Installation units</b>			
Candidates must have been taught on requirements across a range of appliances and applications prior to assessment			
Candidates must be assessed on the minimum amount of occasions and range as identified below			
The candidate has covered necessary training required prior to the industry assessment			
Mentor signature:		Date	
Candidate signature		Date	
<b>Assessment Requirements</b>			
<b>Total - 10 assessments – Smart Gas Meter Installation units</b>			
<b>Note: at least 4 assessments must come from site</b>			
<b>Assessment 1 &amp; 2</b>	<b>Directly Observed</b>		
	<i>May be DO on site or in centre</i>		
<b>Assessment 3, 4, 5, 6</b>	<b>Reflective Account</b>		
	<i>May be from site or simulated in centre</i>		
<b>Assessment 7, 8, 9 and 10</b>	<b>Reflective Account</b>		
	<i>May be from site or simulated in centre</i>		
<b>Assessment to include</b>			
<ul style="list-style-type: none"> <li>• New or replacement Smart Meter <math>\leq 6 \text{ m}^3/\text{h}</math></li> <li>• Associated pipework connections</li> <li>• Commission, handover and completion of relevant documentation</li> </ul>			
<b>Range – each of the following</b>			
<ul style="list-style-type: none"> <li>• Low Pressure</li> <li>• Medium Pressure Fed Supply</li> <li>• Regulator Incorporating a Slam Shut Valve (SSV) (PRS 28/E)</li> <li>• Regulator Incorporating a Metering Installation Excess Flow Valve (MIEFV) (PRS 29/E)</li> <li>• Surface or Built in Meter Box</li> <li>• Semi Concealed Meter Box</li> <li>• New Installation</li> <li>• Installation Exchange (<i>Existing Installation with NO Meter Inlet Valve (MIV)</i>)</li> </ul>			