Level 3 End-Point Assessment for Gas Network Craftsperson – Electrical and Instrumentation

EPA Specification Section 5.3 – Technical Interview underpinned by the logbook

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Contacts

This specification has been designed to provide all the advice and guidance you need to prepare yourself and your apprentices for end-point assessment. However, if you have any further questions please contact the EUIAS Help Desk using one of the following:

Help Desk email: enquiries@euias.co.uk

Help Desk telephone: 0121 713 8310

Introduction

The technical interview underpinned by the logbook is the final stage of the end-point assessment. The technical interview underpinned by the logbook will be recorded. It is assessed by an independent assessor approved and appointed by the EUIAS. The technical interview will be documented by the independent assessor. The independent assessor **must** assess the evidence from both interview sessions holistically. Representative from the apprentice's employer or training provider is allowed to be present in the room whilst the interview is being conducted which would normally be the employer technical expert who conducted the practical task. The employer technical expert:

- can be the same person who observed the practical task
- **must not** amplify or clarify points made by the apprentice
- role is to provide context for the independent assessor with clarifications around specific company policies and procedures
- will not be involved in grading the apprentice

The technical interview underpinned by the logbook will take place in two parts and focus on each of the elements of the Standard listed below. It is important that the apprentice is completely familiar with each of them.

- **Part 1 - focussing on the practical task:**
  - Core skills (CS1; CS2; CS3; CS4; CS5; CS6; CS7; CS8; CS9; CS10; CS11; CS13)
  - Core behaviours (CB1; CB3; CB4; CB5; CB6; CB8)
  - Selected role specific skills for electrical and instrumentation (NMCEi1; NMCEi2; NMCEi4; NMCEi5; NMCEi9; NMCEi12; NMCEi15)
- **Part 2 - focussing on the on-programme:**
  - Core knowledge (CK1; CK4; CK6)
  - Core skills (CS1; CS2; CS3; CS14; CS15)
  - Core behaviours (CB2; CB4; CB7; CB9; CB10; CB11; CB12)
  - Selected role specific skills for electrical and instrumentation (NMCEi3; NMCEi6; NMCEi7; NMCEi8; NMCEi10; NMCEi11; NMCEi13; NMCEi14; NMCEi17; NMCEi18; NMCEi19; NMCEi20; NMCEi22)

See Section 4 for the references to the standard.

The technical interview **must** last two hours +/-10% and must be conducted in **two sessions**, each lasting one-hour +/-10%, with a 15-20 minute break between each session. The break **must** be supervised by an invigilator at all times.

Preparing for the Technical Interview underpinned by the logbook

Apprentices should be prepared for the technical interview underpinned by the logbook with 'mock interview' opportunities. This should take place near or at the end of their training programme when they are finalising their logbook. Apprentices should be guided to index their logbooks, referencing each part of their evidence to the relevant part of the Standard.

The independent assessor will ask a set of **10 questions per interview,** with supplementary questions as required, to explore the apprentice's level of skills, knowledge, and behaviours. The apprentice should support their answers by referring to evidence from their logbook. For part 1 of the technical interview the apprentice **must** refer to the practical task and for part 2 the apprentice **must** refer to the on-programme evidence from the logbook.

Guidance for preparing for the technical interview underpinned by the logbook is outlined in Section 6 'Guidance – setting up a Practice Technical Interview'. In particular, apprentices should be made aware of the grading criteria for pass and distinction to enable them to achieve their full potential.

The Technical Interview underpinned by the logbook - Session (part) 1:

Will **only** be focused on the practical task (post gateway evidence) in the logbook which must include the factual account produced by the technical expert. The independent assessor **must** ask 10 questions relating to the practical task, to confirm authenticity of the work and assess underpinning skills and behaviours relating to the task. Follow up questions may be asked by the independent assessor to ensure the apprentice has the depth and breadth of competence for the role. The greater depth of understanding will lead to a higher grade being awarded.

The Technical Interview underpinned by the logbook - Session (part) 2:

Will **only** be focused on (on-programme period) pre-gateway contents of evidence in the logbook, which **must** be compiled from the last 12 months. The **logbook must contain**:

- direct observation of knowledge and skills development or formative assessments from the **last 12 months of on-programme training**

- reviews which should be completed and recorded to determine progression towards competence across the entire occupational standard

- a **minimum of two pieces of quality evidence to demonstrate each KSB (core and emergency response)** and the evidence must be mapped against the KSBs, each piece of evidence is likely to demonstrate more than one KSB

- **KSBs mapping document** that identifies clearly where all the quality evidence from the logbook has been mapped. As mentioned above each piece of evidence is likely to demonstrate more than one KSB. The evidence should be sufficient to demonstrate that the apprentice can apply the core knowledge, skills and behaviours required and the electrical and instrumentation knowledge and skills as indicated in section 4 of this document

- evidence must be valid and attributable to the apprentice, with a qualitative as opposed to quantitative approach

- other evidence sources such as and this list is **not** a definitive list as other sources are allowed:
    - Certificates of training
    - Job cards
    - Work records
    - Maintenance records
    - Risk Assessments
    - Photographs of workplace activities
    - Videos of work carried out (no more than 10 minutes)

Important note: The logbook must not contain any methods of self-assessment.

The independent assessor **must** ask 10 questions relating to the evidence in the on-programme part of the logbook, to confirm authenticity of the work and assess underpinning knowledge, skills and behaviours relating to the task. Follow up questions may be asked by the independent assessor to ensure the apprentice has the depth and breadth of competence for the role. The greater depth of understanding will lead to a higher grade being awarded

The technical interview will:

- take place after successful completion of the knowledge and skills assessment, and practical task

- be face to face (remote interviews may be applicable pending on Covid-19)
- be recorded on a review record
- be recorded on Microsoft Teams or
- evidence the above KSBs

Please note that the practical task documentation and the logbook are **NOT** assessed, but the apprentice **must** use their logbook to support themselves in answering the technical interview questions. The interview questions will focus on each of the elements of the Standard listed above so it is important that the apprentice is completely familiar with each of them.

Prior to the technical interview, the assessor will have confirmation of completion of the requirements of the logbook and the practical task including the employer technical expert's factual account. The questioning will cover **ALL** the elements as identified in the apprenticeship Standard. The apprentice can achieve a pass or distinction. If the apprentice fails, this element the apprentice **must** with immediate effect be withdrawn from the EPA process. Further information can be found in Section 5 'Retake and Resit Information'

Grading the Technical Interview underpinned by the logbook

The technical interview is marked as a distinction, pass or fail. The grading criteria are described in the following pages.

The grading criteria is based on the Assessment Plan:

- To achieve a **pass** in the technical interview the apprentice **must** successfully demonstrate competence in **all** the relevant KSBs

- To achieve **distinction** in the technical interview **Part 1 – Practical Task** the apprentice must meet **all** the **pass criteria and achieve 5 of the 8 criteria** listed in the indicative distinction criteria

- To achieve **distinction** in the technical interview **Part 2 – On-programme** the apprentice must meet **all** the **pass criteria and achieve 4 of the 7** criteria listed in the indicative distinction criteria

Technical interview pass grading combinations are shown in the table below:

Technical interview part 1 grade	Technical interview part 2 grade	Technical interview grade
Pass	Pass	Pass
Distinction	Pass	Pass
Pass	Distinction	Pass
Distinction	Distinction	Distinction

Details of overall grading are as described earlier in this document.

Technical Interview underpinned by the logbook grading

The technical interview is graded by the employer technical expert approved by the EUIAS. The following tables explain the criteria that are applied in order to achieve each grade for the technical interview.

Part 1 – Practical Task (post gateway):

- To achieve a pass **all**, **pass criteria must be achieved**
- To achieve a distinction **all, pass criteria must be achieved and 5 of the 8 criteria from the indicative distinction** criteria must be met

Core Skills	CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8	CS9	CS10	CS11	CS13
All Pass criteria must be achieved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Core Behaviour	CB1	CB3	CB4	CB5	CB6	CB8
All Pass criteria must be achieved	✓	✓	✓	✓	✓	✓

Role Specific Skills	NMCEi1	NMCEi2	NMCEi4	NMCEi5	NMCEi9	NMCEi12	NMCEi15
All Pass criteria must be achieved	✓	✓	✓	✓	✓	✓	✓

Indicative ‘pass’ criteria for the Technical Interview underpinned by the logbook - Part 1- Practical Task

The following criteria are indicative of the **pass criteria** the independent assessor will be looking for when the apprentice takes part in the technical interview Part 1 which will be based upon evidence in the logbook from the practical task undertaken and the factual report submitted by the technical expert.

Standard	Indicative Pass Criteria
CS1 Undertake and document **risk assessments** in accordance with company procedures	• Explains the purpose of risk assessment • Explains how risk assessments were undertaken, the hazards identified, and the control measures put in place during the practical tasks
CS2 Comply with **workplace health, safety & environmental practices and regulations**, maintaining a safe and secure working environment	• Describes how a safe working environment was established and maintained • Relates site safety to legislation, regulations and procedures
CS3 Follow **engineering instructions and company procedures** to	• States the procedures followed during the practical tasks

Standard	Indicative Pass Criteria
complete tasks safely and on-time	
CS4 Undertake inspection and examination of **network assets** in order to maintain the safe and compliant operation of the network to ensure the integrity, safety and security of supply	• Explains how the condition of E&I assets or equipment was assessed during the practical tasks • Explains the potential impact of asset condition on security of supply
CS5 Maintain and/or install **gas engineering assets**, components and associated equipment	• Identifies which E&I assets or equipment were maintained • Describes how E&I assets or equipment were maintained • Explains the reason(s) for maintaining E&I assets or equipment
CS6 Install, test, purge and commission **gas network assets**	• Describes how E&I assets and equipment were installed • Describes how E&I assets and equipment were tested • Explains the procedures followed for commissioning E&I assets or equipment
CS7 Operate **powered tools and equipment**, such as drills, angle grinders, brush cutters and shot blasting equipment as required for network maintenance operations	• Describes the pre-use checks made on tools and equipment • Describes how tools were used safely for the task
CS8 Use approved **gas detection equipment** to ensure safe environment	• Explains the purpose of checking for gas • Explains how gas detection was used for the task

Standard	Indicative Pass Criteria
	• Able to explain how the presence of gas and 'no gas' readings influence the task undertaken
CS9 Use **Personal Protective Equipment (PPE) and safety equipment** in accordance with manufacturer's instructions and employer policy	• Describes the PPE worn and explains the purpose of each
CS10 Obtain and analyse **asset condition** and **performance information** to facilitate decision making	• Describes the information used to determine condition or performance • Explains how data was used to make decisions during the task
CS11 Identify, organise and use **resources** effectively to complete tasks, with consideration for cost, quality, safety, security and environmental impact	• Describes the resources used during the tasks and how these were used (tools, equipment, consumables) • Describes the process used to minimise waste and the way in which waste was disposed of • Demonstrates understanding of costs associated with resources
CS13 Accurately record **job information**, complete **job reports** and **process**	• Describes records made during or after the tasks • Explains the purpose of the data recorded • Explains why data needs to be accurate
CB1 Display a **self-disciplined, self-motivated** approach	• Describes the personal approach taken for the tasks

Standard	Indicative Pass Criteria
CB3 Demonstrate and apply a **safety first** approach	• Describes how safety was prioritised during the tasks
CB4 Accept accountability when undertaking individual and team tasks	• Recognises personal responsibilities and accountabilities for the tasks
CB5 Follows instruction from appropriate supervision, and makes decisions when required	• Recognises where work instructions are received from • States when personal decisions needed to be taken during the tasks
CB6 Quality-focussed and professional in work and in personal standards	• Demonstrates understanding of why it is important to produce work of the required quality • Gives examples of potential consequences of poor quality work
CB8 Accepts responsibility for work undertaken	• Takes ownership of work undertaken during the practical assessment • Identifies how work could have been undertaken better
NMCEi1 Apply **electrical theories and principles** and use equipment to carry out diagnostic fault finding procedures	• Explains the electrical theories and principles applied when identifying and diagnosing faults during the tasks
NMCEi2 Inspect, maintain, repair, overhaul test and calibrate **instrumentation and control equipment and circuits** in accordance with company procedures	• Explains the purpose of calibrating equipment and which equipment was calibrated during the tasks • States and explains the procedures followed for work on instrumentation equipment during the practical tasks
NMCEi4 Carry out cable testing across a range of voltages to ensure	• Describes the process by which cables were tested

Standard	Indicative Pass Criteria
safety and suitability for use	• Explains the purpose of testing cables
NMCEi5 Install, maintain and dismantle **instruments, controllers, probes, attachments, cabling, meters and display units**	• Using examples describe the way in which instruments were installed or maintained • Explain how newly installed instruments were checked for correct operation
NMCEi9 Repair, maintain, configure, and calibrate **field instrumentation, communication devices and associated equipment** used in system and process control	• Using examples describe the way in which communications or telemetry devices were installed or maintained • Explain how newly installed communications or telemetry devices were checked for correct operation
NMCEi12 Carry out **isolation procedures** to ensure process or system stability and the safety of personnel when carrying out operations	• Explains why it is necessary to safely isolate electrical equipment prior to work • Describes how electrical equipment was isolated during the practical tasks
NMCEi15 Apply **electrical knowledge and skills** to install, maintain and dismantle a wide range of plant, machinery, and components	• State and explain the theory applied when undertaking • work on electrical equipment during the practical tasks

Indicative ‘distinction’ criteria for the Technical Interview underpinned by the logbook - Part 1- Practical Task

- To achieve a pass **all,** pass criteria as listed above must be achieved.
- To achieve a distinction **all,** pass criteria **must** be achieved and **5 of the 8 criteria from the indicative distinction** criteria must be met

Standard	Indicative Distinction Criteria
D1 Critically appraised own approach to health and safety, acting as a role model by identifying deficiencies and providing proactive solutions to ensure the safety, security and integrity of supply	**CS1; CS2; CS4; CS9; CB3; NMCEi4; NMCEi12** • Able to identify where and how safety practices could be improved • Able to identify where actions could improve risks to security of supply
D2 Uses recognised planning techniques and implements these to improve work efficiency Operates upon own initiative, demonstrates examples of critical reflection, analysis and evaluation	**CS3; CS10; CS11; CB1; CB5; CB6; NMCEi2; NMCEi9** • Able to explain why it is beneficial to plan jobs before starting • Able to give examples of effective job planning • Able to review how planning was undertaken during the practical tasks and how this could be improved
D3 Shows understanding of the detailed technical aspects of the task undertaken and uses this understanding to evaluate the methods used to undertake the task. Consults and involves people from the team and other areas to achieve shared understanding	**CS1; CS5; CS6; CS7; NMCEi1; NMCEi2; NMCEi4; NMCEi5; NMCEi9; NMCEi12; NMCEi15** • Able to clearly explain electrical theories and principles and how these have been applied during the practical tasks • Recognises when it would be beneficial to consult with others before and during a task
D4 Educates others when an unsafe working	**CB6; CB8; NMCEi2; NMCEi5**

Standard	Indicative Distinction Criteria
environment is encountered and puts measures in place to mitigate safety issues	• Able to identify unsafe situations • Able to describe safe working practices • Able to communicate effectively with others
D5 Explains the implications of not following safety, process and company specific engineering requirements of the task being undertaken	**CB3; CB4; NMCEi4; NMCEi12** • Explains the reason for following procedures and the potential consequences of deviating from procedures
D6 Uses a range of tools and gas detection equipment and is able to provide full explanation of standards and engineering principles that apply and the reasons for their recommended choice	**CS7; CS8; NMCEi2; NMCEi4; NMCEi5; NMCEi9; NMCEi15** • Able to clearly explain the principles behind the way in which gas detection equipment operates and any limitations to its use • Able to explain outputs of gas detection equipment, including relationship between LEL and GIA scales
D7 Shows understanding of the relevant engineering products, their application and process outputs relative to their company specific requirements. Consistently applies reasoning to support decisions made	**CS3; CS4; CS5; NMCEi2; NMCEi9; NMCEi15** • Able to explain reasons behind the choice of tools, equipment and materials made during the practical tasks
D8 Analyses, and interprets recorded data and articulates the need for accuracy and the importance of qualitative data capture and recording	**CS13; NMCEi1; NMCEi9** • Able to review and analyse data and use this to make informed decisions during the practical tasks • Explains the requirement for data to be accurate, and potentially consequences of inaccurate data

Technical Interview underpinned by the logbook - Part 2 – On-programme evidence (pre-gateway):

- To achieve a pass **all**, the pass criteria must be achieved
- To achieve a distinction **all,** pass criteria **must** be achieved and **4 of the 7 criteria from the indicative distinction** criteria must be met

Core knowledge	CK1	CK4	CK6
All Pass criteria must be achieved	✓	✓	✓

Core skills	CS1	CS2	CS3	CS14	CS15
All Pass criteria must be achieved	✓	✓	✓	✓	✓

Core behaviours	CB2	CB4	CB7	CB9	CB10	CB11	CB12
All Pass criteria must be achieved	✓	✓	✓	✓	✓	✓	✓

Role Specific Skills	NMCEi3	NMCEi6	NMCEi7	NMCEi8	NMCEi10	NMCEi11	NMCEi13	NMCEi14	NMCEi17	NMCEi18	NMCEi19	NMCEi20	NMCEi22
All Pass criteria must be achieved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Indicative ‘pass’ criteria for the Technical Interview Part 2 – On-programme

The following criteria are indicative of the pass criteria the independent assessor will be looking for when the apprentice takes part in the technical interview Part 2 – On-programme:

Standard	Indicative Pass Criteria
CK1 Company **testing and commissioning procedures** needed to establish the condition of **gas assets, equipment, network infrastructure** and the actions needed as a result of the tests. This includes both practical applications and the use of diagnostic techniques and IT systems	• Gives examples of where equipment has been tested and commissioned and explain how this work was undertaken • Describes how diagnostic techniques were used to identify faults
CK4 Company **maintenance practices, processes and procedures** associated with **gas network systems, controls and equipment**	• Gives examples of where control equipment has been maintained and explain how this work was undertaken • Describes the purpose of the control system and the

Standard	Indicative Pass Criteria
	role it plays in the network
CK6 Company policies, procedures and **engineering instructions** as specified by the employer	• States examples of operational procedures and how these have been applied on site
CS1 Undertake and document **risk assessments** in accordance with company procedures	• Gives examples of jobs where risk assessments have been undertaken on site • Describes the hazards identified and the control measures implemented
CS2 Comply with **workplace health, safety & environmental practices and regulations**, maintaining a safe and secure working environment	• Using examples, describes how a safe working environment has been established and maintained on site
CS3 Follow **engineering instructions and company procedures** to complete tasks safely and on-time	• Gives examples from sites when following procedures has helped to undertake the job safely and within required timescales
CS14 Liaise with **gas consumers, statutory agencies and members of the public** in order to ensure their safety	• Gives examples of sites on which there was a need to liaise with gas consumers (customers) • Gives examples of situations that might be encountered where engagement with Statutory Agencies would be necessary
CS15 Accurately update company systems with details of work undertaken	• Gives examples of data which needed to be updated on to Company systems • Explains the importance of recording data accurately
CB2 Deliver a polite, courteous professional service to all customers,	• Gives examples of engagement with others and the approach taken towards providing them with a

Standard	Indicative Pass Criteria
stakeholders and members of the public as appropriate	professional service
CB4 Accept accountability when undertaking individual and team tasks	• Gives examples of when accepting accountability for a job on site
CB7 Recognise personal limitations and seek advice from managers, experts and specialists when required	• Gives examples of needing to seek advice and guidance from a colleague or manager
CB9 Receptive to the needs and concerns of others, especially where related to diversity and equality	• Gives examples of responding to requests from others • Demonstrates awareness of equality and diversity when interacting with others
CB10 Committed to carrying out and recording Continued Professional Development necessary to maintain and enhance competence	• Recognises the benefits of undertaking Continued Professional Development (CPD) • Describes examples of how CPD can be achieved
CB11 Exercises responsibilities in an ethical manner	• Explains what is meant by “ethics” in relation to the undertaking of operational work • Gives examples of when an ethical approach has been adopted on site
CB12 Interacts with people and approaches work activities in a way that contributes to continuous self-improvement	• Gives examples of learning from others • Gives examples of operating differently on site following guidance from others
NMCEi3 Maintain **site lighting and fixed and portable equipment** which may include **generators, batteries and associated equipment**	• Describes jobs where work has been undertaken on site lighting • Using examples, describes jobs where work has been undertaken on generators or batteries

Standard	Indicative Pass Criteria
NMCEi6 Configure **telemetry outstation and internal systems**	• Describes the way in which work was undertaken on telemetry systems • Explains how the correct operation of telemetry systems was confirmed
NMCEi7 Identify and resolve **data quality and calibration issues**	• Describes jobs where there were data quality issues and the way in which these were resolved • Describes jobs where there were calibration issues and explains the way in which these were resolved
NMCEi8 Test, calibrate and validate **fixed and portable analogue and digital instrumentation** using approved procedures and standards	• Gives examples and describes work undertaken on portable instrumentation equipment
NMCEi10 Use **standards and specifications** to improve the information gathered by telemetry data	• Gives examples of telemetered data • Describes examples of how telemetered data has been improved and how this was achieved
NMCEi11 Inspect and maintain **security equipment, telecommunication devices and alarm systems**	• Gives examples and describes work undertaken on site security systems • Gives examples and describes work undertaken on site telecommunications systems
NMCEi13 Provide support to day-to-day users of **instrumentation and control systems**	• Describes examples of when and how support has been given to others who use the output from instrumentation or control systems
NMCEi14 Ensure **consistent and valid data** is available for business and regulation purposes	• Explains the importance of consistent and valid data from site • States examples of how data is used by the business

Standard	Indicative Pass Criteria
NMCEi17 The **permitry requirements** when maintaining or configuring telemetry systems or undertaking works that may initiate system alarms	• Explains the purpose of permit systems and the need to comply with requirements • Identifies work activities which might initiate site alarms
NMCEi18 Recognise the processes to be followed in order to identify and resolve **data quality and calibration issues**	• Describes work processes appropriate for the identification and resolution of data quality issues
NMCEi19 Understand how to test and calibrate **instrumentation and control equipment** in accordance with company specific procedures	• Using examples, describes how to calibrate equipment
NMCEi20 The **theories** used to maintain, test and calibrate electrical equipment in line with company specific procedures	• Describes the application of electrical theory and principles for the calibration of equipment
NMCEi22 Identify relevant, **company specific procedures** and know how to access such documentation	• Describes how to access company documentation

Indicative ‘distinction’ criteria for the Technical Interview underpinned by the logbook - Part 2 – on-programme

To achieve a distinction the apprentice **must** achieve **all** pass criteria and a **minimum of 4 distinction criteria from the 7** listed below must be met:

Standard	Indicative Distinction criteria
D1 Describes in detail how such legislation impacts their day-to-day activities	**CS1; CS2; CS3; CS14; NMCEi17** • Using examples, reviews how the requirements of legislation and regulations have directly impacted the way in which work has been undertaken on site • Able to explain how legislation and regulations have been applied on site
D2 Evaluates risk assessment processes including likelihood and consequence and is able to describe suitable control measures and how to implement such measures to reduce the residual risk value	**CK1; CB7; NMCEi18; NMCEi19; NMCEi20; NMCEi22** • Explains how risk assessment has been beneficial in improving on-site safety • Using examples, reviews the effectiveness of control measures implemented as a result of a risk assessment
D3 Describes instances of using negotiation and influencing skills to coordinate contrasting views and drive actions	**CK1; CS14; CB2; CB4; CB7; CB9; CB11; CB12; NMCEi13** • Evaluates the personal development gained from interacting with others over a range of activities • Explains how different approaches towards

Standard	Indicative Distinction criteria
	communications with others can be beneficial for different situations
D4 Relates company specific policies and procedures to legislative requirements. Is working towards professional recognition	**CK1; CK4; CK6; CS15; CB10; NMCEi14** • Using examples, clearly explains how policies and procedures have been applied in on-site situations and the benefits of following the prescribed approach to work • Using examples, explains how company policies and procedures are designed to satisfy the requirements of legislation and regulations • Explains the reason for Gas Safe registration and the opportunities for further professional registration
D5 Details 3 of the following principles that drive testing requirements: • Explain why testing parameters are at the levels they are • Evaluate the results of such tests • Explain the potential consequences of failed tests • Interpret results and offer the reasons for failed tests • Provide potential solutions for failed tests	**CK1; CK4; CS15; CB4; CB7; CB12; NMCiE3; NMCEi6; NMCEi7; NMCEi8; NMCEi10; NMCEi11** • Using examples, explains why the accurate calibration of instruments is important and the potential consequences of wrong outputs • Explains how the testing of on-site equipment contributes to security of supply and site safety • Describes using example where the output of instruments requires interpretation before deciding on

Standard	Indicative Distinction criteria
	the next actions required.
D6 Identifies solutions and recommends actions to be taken where the result of such calculation deliver unsatisfactory conclusions	**CK1; NMCEi6; NMCEi10; NMCEi14** • Provides examples of where calculations need to be made on site and the potential consequences of these calculations. • Using examples, explains how calculations made on site impact decisions associated with gas supply decisions.
D7 Critically reflects upon situations where they have taken the initiative to lead a team to drive a project from conception to conclusion	**CS14; CB4; CB7; CB9; CB11; CB12; NMCEi14** • Using examples, critically reviews the role taken personally when leading a team in the undertaking of an on-site activity • Able to explain the benefits of working as a team on a job or project