

EPA Apprentice Guidance

End-point Assessment
Apprentice Guidance Document for:

Level 6 Control/Technical Support Engineer

Standard Reference: ST0023

Level 6 Control/Technical Support Engineer

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Apprentice Guidance for Case Studies Presentation, Occupational Professional Discussion and the End Point Assessment Grading

Overview

The end-point assessment is designed to enable you to demonstrate that you are fully conversant in the skills, knowledge and behaviours expected of individuals working at this level. It is designed to provide assessors with a holistic view of the apprentice, and to allow them to assess to what extent that you meet or exceed the level 6 Control/Technical Support Engineer Apprenticeship standard.

What is being assessed?

Your End Point Assessment is made up of **two** elements:

- Method 1. Case Studies Presentation underpinned by supporting evidence
- Method 2. Occupational Professional Discussion underpinned by supporting evidence

Readiness for the End-point Assessment (Gateway)

The independent end-point assessment is synoptic, as it takes an overview of your occupational competence. It is important, therefore, that this should only take place when the employer is confident that you have met all the knowledge, skills and behaviours as set out in the standard and is performing competently in your job role. Readiness for end-point assessment is confirmed once the employer is satisfied that you have demonstrated occupational competence against all the knowledge, skills and behaviours specified in the standard, completed the occupational competence report of evidence and achieved the mandated qualifications.

- Employer specified BEng/BSc degree and accredited by an Engineering Council licenced Professional Engineering Institution (PEI). Employers may wish to use a degree that has yet to achieve PEI accreditation. However, if the intention is to do so, a PEI must have been involved and consulted on the content from the outset.
- Level 2 in English and mathematics. (For those with an education, health and care plan or a legacy statement the English and mathematics minimum requirement is Entry Level 3 and British Sign Language qualifications are an alternative to the English qualifications for whom this is their primary language).
- The apprentice can then progress to the end-point assessment via the apprenticeship gateway (decision point).

EAL as the EPAO will check the gateway information as a pre-requisite prior to the EPA taking place

Guidelines for Method 1 Case Studies Presentation

The Case Studies Presentation will give you the opportunity to identify specific and exemplar **work-based** projects/tasks that you have successfully completed that will allow you to showcase and demonstrate the practical application of the knowledge and skills and behaviours detailed in the standard and set out in **Annex A**. The Case Studies Presentation will be followed by a question and answer session led by the designated end-point assessor.

The Case Studies Presentation covering work-based projects/tasks should meet the following criteria:

- Based on a projects/tasks designated by your employer such as your line manager or departmental team leader/supervisor and within scope of the role of a Control/Technical Support Engineer.
- The Case Studies Presentation and supporting evidence must be based on projects/tasks from the onprogramme period and be available prior to the gateway to allow the employer to authenticate its content.
- Supported by relevant evidence and/or documentation such specific work outputs, work records or other documentation including any quality/compliance data/records produced as part of the work activity.
- Cover, where applicable any issues, challenges or problems encountered and present your ideas/solutions.
- Where the work-based projects/tasks involved team input/activities your employer must authenticate
 your work as part of the gateway and confirm the Case Studies Presentation and supporting evidence is
 an accurate reflection of your involvement.
- States and provides evidence how the work-based projects/tasks outcomes were completed to the
 required standard in order to be able to claim that the relevant knowledge, skills and behaviours have
 been achieved. Covers the knowledge, skills and behaviours listed in Annex A as being assessed by the
 Case Studies Presentation.
- It is important that you carefully select the projects/tasks and evidence to be used to support the achievement of the knowledge, skills and behaviours set out in **Annex A**. It is not about the volume of evidence but the quality of evidence that aligns to and covers the relevant knowledge, skills and behaviours at least **once** but no more than **three** times.
- You must make sure the presentation and supporting evidence is available throughout the duration of the Case Studies Presentation so that it can be referenced during the presentation and subsequent questioning by the end-point assessor.
- You should have a minimum of **two** weeks' notice of your Case Studies Presentation date and time.
- The Case Studies Presentation is expected to be **50 +/- 5** minutes in duration. The Case Studies Presentation will be followed by a question and answer session which will be **25 +/- 5** minutes in duration. The question and answer session will provide the opportunity for the end-point assessor to seek clarification and probe for further detail/evidence as required.
- EAL as the EPAO will develop a bank of core questions which can be used and contextualised by the end-point assessor during the Case Studies Presentation. The end-point assessor will also develop their own specific and targeted questions after reviewing the presentation and supporting evidence to further explore competence against the knowledge, skills and behaviours specified in the standard. EAL as the EPAO will use a structured template for the end-point assessor to use during the presentation, to provide robustness, consistency and fairness with a clear and auditable mechanism for providing feedback to the apprentice.
- The grade criteria for achieving a Fail, Pass or Distinction in the Case Studies Presentation is itemised in **Annex B**.
- The Case Studies Presentation can be recorded (audio or video) if all parties are in agreement. Where permission is not given it is permissible for another end-point assessor to be present to scribe/document evidence presented and record the response to questions. Where a second end-point assessor is used to act as a scribe they must not be involved in any assessment decision and must be independent i.e has had

- nothing to gain from the outcome of the assessment and has had no direct involvement in the day to day training and development of the apprentice during the on-programme phase of apprenticeship.
- The Case Studies Presentation will be conducted face to face or via live video link (where a live video link is used then EAL as the EPAO must guarantee the integrity of the assessment process).
- The Case Studies Presentation will be conducted in a 'controlled environment', i.e. a quiet room, away from the normal work area.
- It is recommended that there will need to be a break of **45 +/- 5** minutes between the Case Studies Presentation and the Occupational Professional Discussion to allow the end-point assessor to record notes and make the assessment decision. It will also allow you and the end-point assessor to prepare for the Occupational Professional Discussion.
- You will be informed of the end-point assessor's overall assessment/grading decision as soon as possible after both assessment methods have been completed. This may be after EAL as the EPAO has moderated the decisions made by assessors.
- A technical expert from the employer can attend the Case Studies Presentation if they are requested to do so by EAL as the EPAO, in order to provide the end-point assessor with any relevant technical support, advice and guidance such as confirming company policies, procedures, processes, providing context on technical information or on emerging technologies. Any information provided by the employer technical expert must only be at the request of the end-point assessor who has the final say over the assessment and grade awarded. The employer technical expert must not provide evidence on behalf of you.

You must record your presentation on the Template provided by your employer to ensure all Knowledge, Skills and Behaviour requirements have been met.

Alternatively, you can use your own presentation templates, but you must ensure the same criteria have been met:

• EAL L6 Control/Technical Support Engineer Apprentice Presentation Template

Apprentice Guidance for Work Based Projects/Tasks Supporting Evidence On-Programme Period Occupational competence report

Each employer will have their own preferred approach and layout of the occupational competence report. How you present the information to your employer for the End Point Assessment occupational competence report review is important to ensure it meets that requirement of the standard. After all, you are using this Occupational competence report to showcase your skills, knowledge and behaviours you have learnt during your apprenticeship, so presenting a good quality record of your day-to-day work you have completed.

You will compile an occupational competence report during your apprenticeship. It will include evidence of experience gained in the workplace, collectively demonstrating competence against all aspects of the apprenticeship standard – skills, knowledge and behaviours. It may for example include self-assessments reports, achievement logs, work products, witness statements and reflective journals, together with a final progress review in readiness for the EPA final professional discussion and presentation.

Before beginning work on the occupational competence report, you should agree, in a meeting with your employer and mentor. The on-programme period will provide a focus for your occupational competence report of evidence. The occupational competence report will be reviewed by the end point assessor, using standardised assessment criteria and documentation, recording coverage against the learning areas. This will be used to support the EPA professional discussion and presentation. The occupational competence report will be reviewed before the EPA professional discussion and presentation.

Planning Work to Meet Evidence Requirements

When planning your work with your employer you should ensure that there is suitable opportunity for you to be involved in projects with a broad enough scope to address the chosen learning areas, and that you will be able to evidence the relevant skills, knowledge and behaviours expected.

It is the responsibility of your employer and your apprenticeship mentor (where appropriate) to help guide you in choosing appropriate evidence for the occupational competence report. The training provider will provide a framework for the occupational competence report and provide initial guidance on how to assemble evidence.

The occupational competence report of evidence will need to include self-assessments and achievement logs completed by you as part of regular performance management with your employer, as well as any relevant supporting documents. The occupational competence report will contain examples of your performance in relation to the work you have completed. The occupational competence report evidence will be recorded during the whole of your apprenticeship to meet the level of demand and complexity required by the standard and will include a detailed record of how you completed the task. Your occupational competence report can be handwritten or electronic and include work products, sketches and information you feel appropriate.

Here are some key features you may wish to include in your occupational competence report to help you construct a consistent approach and layout. You can place them in the logical structure appropriate for your job.

- Front page Your company name, your name, the title of the apprenticeship
- Index of occupational competence report
- A cross reference to the specific Apprenticeship Standard
- List of witnesses/job titles
- Page heading job reference /title and date of task
- Subheadings

An example template is provided in Annex C OR Alternatively you can use one of your own design, but as a minimum you must ensure all fields listed in the example template Annex C are met.

Finally, you should ask your mentor to review and check your work and sign it along with any witnesses who can authentic this is a true record of the work you carried out.

It is important that you carefully select the projects/tasks and evidence to be used to support the achievement of the knowledge, skills and behaviours set out in **Annex A**. It is not about the volume of evidence but the quality of evidence that aligns to and covers the relevant knowledge, skills and behaviours at least **once** but no more than **three** times.

Presentation/Additional Evidence submission

Your presentation will be used as supporting evidence for Method: 1 Presentation, your occupational competence report & supporting evidence will used for Method: 2 Report for the Professional discussion. The end point assessor will review your occupational competence report & supporting evidence during these assessment methods. The End Point Assessor through questioning will explore your understanding of the chosen competence areas. EAL as the EPAO will agree a date with you when all supporting evidence must be submitted.

Occupational competence report Review & Supporting Evidence

This is a standard occupational competence report review against the learning areas contained in the assessment plan. Details of the learning areas can be found in **Annex A**.

The end point assessor will review the completed holistic examples of performance presented in the apprentice occupational competence report with supporting evidence from the tasks/projects from the workplace activity. The evidence must cover the learning areas contained within the assessment plan. Each example should be judged to ensure that the evidence is authentic to you, as the apprentice, there are sufficient examples of performance presented in the occupational competence report and the supporting evidence is reliable from a real working environment.

Where the end point assessor identifies shortfalls in the skills, knowledge and behaviours assessment of the occupational competence report review, they must prepare further questions to ask you during the professional discussion to ensure you can demonstrate that you have the required depth and breadth of skills, knowledge and behaviours required by the apprenticeship standard.

The end point assessor can request to have a representative of the employer present, but this not mandatory. The role of the employer is to provide operational context, clarification and guidance, **NOT** to make assessment decisions. That is the role of the Independent Assessor from EAL as the EPAO.

Apprentice Guidance for EPA Case Studies Presentation Preparation

What will happen?

Your occupational competence report will be used as supporting evidence for your Presentation. This will take place on the same day as your professional discussion. Overall, this should last at least 50 +/- 5 minutes in duration. You will deliver your presentation first and should then be offered the opportunity of a short break before starting your professional discussion. If you are not offered a break, please ask for one if you feel you need it. If you want to continue straight on, just let your end point assessor know.

Your Presentation

Your presentation should be designed to complement your on-programme period of evidence and should add to the evidence that you presented under those learning outcomes. You may want to explain a situation in more depth or highlight a particular situation or project which was complex and difficult to portray in a paper/electronic occupational competence report. The most important thing to remember is that this is an opportunity to showcase what you have learned and achieved during your apprenticeship.

You may want to present learning areas which you found difficult to evidence in your occupational competence report and which you feel you can evidence more easily verbally. The content is up to you. You can seek guidance from your training provider, mentor, and employer but the work must be all your own. If you need any special equipment in order to deliver your presentation, you will need to supply it yourself or you could ask if it will be available in the room anyway but this will need to be established prior to the assessment day.

You may well be asked questions on what you are presenting. These will just be for clarity and to make sure that the end point assessor fully understands what you are trying to portray. Your employer/nominated representative may be present at the EPA by request of the end point assessor, but they are there simply to offer advice and guidance to your end point assessor and will have no part in marking your presentation.

When you are putting your presentation together you could consider the following that you may want to convey

When you are putting your presentation together you could consider the following that you may want to convey and/or your assessor could ask you during the question and answer session.

Please note this is for guidance purposes only

K2 Project design, implementation and evaluation

Pass

- Why a project approach would be the most suitable approach for the work activity undertaken
- How to agree the project purpose, objectives & outcomes
- How to agree deliverables and associated benefits
- How to determine what is in and out of project scope
- How to identify stakeholders & their interests in the project
- How to provide a breakdown of expected cost/ resource requirements
- How to identify key roles and responsibilities for project work activity
- How to outline the interdependencies of other work activities that have a relationship to delivery of the project
- How to produce a robust project plan
- How to identify and log any risks/issues including any mitigation

Distinction

- How to lead a project to successful completion
- How to monitor / review progress against checkpoints or gateways
- How to assess how project changes impact others
- How to balance on-going timing, quality, cost and delivery consideration
- How to amend project plans where changes are needed
- How to communicate changes successfully

K5 Applications of pneumatics and hydraulics

Pass

- How to implement maintenance activities by carrying out corrective maintenance activities on fluid power equipment, in accordance with approved procedures.
- How to Dismantle, remove and replace faulty items, at component and unit level, such as:
 - o pumps,
 - valves,
 - actuators,
 - o sensors,
 - intensifiers,
 - regulators,
 - o compressors,
 - o pipes and hoses, and other specific fluid power equipment
- How to use equipment functions and the purpose of the individual components
- How to use Individual components function and associated defects, in adequate depth to provide a sound basis for carrying out any maintenance activity

Distinction

- How to lead maintenance activities by applying advanced pneumatic and hydraulic principles
- How to make decisions on whether to repair or replace pneumatic and hydraulic components
- How to make diagnostic judgements to analyse equipment suitability and performance
- How to Identify and implement opportunities to improve processes and reduce downtime by enhancing equipment capability

K6 Health, safety and risk assessment in engineering

Pass grade only

- PPE regulations
- COSHH regulations
- Risk assessments, management and mitigation
- Accident/emergency procedures
- Fire/evacuation procedures
- Procedures for hazardous malfunctions
- Safely operating/using tools and equipment
- Lifting/carrying techniques

K7 Industrial control systems and applications

Pass

- Explain the application of industrial control systems and applications in their specific area of responsibility
- How industrial control systems activities relate to each other in Control/Technical Support development
- How to interpret associated company policy/procedures relevant to the technologies used within their occupation
- Explain the extent of own responsibility and to whom they should report if they have issues that they cannot resolve in relation to the technology being applied

Distinction

• Explain how the implications of control systems can be utilised for process improvements

- Recognise developments in new technologies which could be applied to their processes
- Have an understanding of which areas of development is required for staff pertaining to control systems and applications

S1 Comply with statutory and organisational safety requirements and demonstrate a responsible and disciplined approach to risk mitigation, avoidance and management

Pass grade only

- PPE regulations
- COSHH regulations
- Risk assessments, management and mitigation
- Accident/emergency procedures
- Fire/evacuation procedures
- Procedures for hazardous malfunctions
- Safely operating/using tools and equipment
- Lifting/carrying techniques

S3 Lead complex maintenance or technical support activities

Pass

- Lead a maintenance team including:
 - o Agreeing and monitoring budgets
 - o Developing and updating maintenance schedules such as preventive, corrective, predictive, and reactive programmes.
 - o Ensuring appropriate team Knowledge, Skills and Behaviour levels
- Identify and implement a systematic approach to improving the maintenance activities undertaken e.g.
 Condition based monitoring, analysing trends, logging of faults, analysing data.

Distinction

- Taking a leading role in the management of the engineering resources
- Identifying and securing upfront the skill bases and resources required
- Demonstrating advanced communication methods to team/stakeholders
- Leading in the monitoring and subsequent outcomes of associated resources
- Ensure that all activities planned align with the business needs, in terms of timescales, production demands, etc.

S5 Carry out maintenance activities on electrical equipment

Pass

- Maintain a range of electrical equipment, such as single, three-phase and direct current power supplies
 and control systems, motors and starters, switchgear and distribution panels, control systems, electrical
 equipment, wiring enclosures and luminaires
- Dismantle, remove and replace faulty equipment, at component or unit level, on a variety of different types of electrical assemblies and subassemblies.
- Identify and implement a systematic approach to improving the equipment maintenance activities
- Apply a range of dismantling and reassembly methods and techniques, such as soldering, crimping, harnessing and securing cables and components.

Distinction

- Leading a maintenance activity to successful completion
- Monitoring / reviewing progress against checkpoints or gateways
- Assessing how maintenance changes impact others
- Balancing on-going timing, quality, cost and delivery considerations
- Amending maintenance plans where changes are needed
- Communicating changes successfully
- Implementing new procedures e.g. documenting new maintenance procedures

B1 Safety mindset

Pass grade only

Applied appropriate skills in demonstrating a compliant, disciplined and responsible application of Health and Safety requirements including but not limited to:

- PPE regulations
- COSHH regulations
- Risk assessments, management and mitigation
- Accident/emergency procedures
- Fire/evacuation procedures
- Procedures for hazardous malfunctions
- Safely operating/using tools and equipment
- Lifting/carrying techniques

B3 Logical approach

Pass

• The ability to structure a plan and develop activities following a logical thought process

Distinction

• The ability to quickly think on feet in a variety of situations

B4 Problem solving orientation

Pass

 Identifying engineering issues /problems quickly, enjoys solving problems and applies appropriate solution

Distinction

Taking the lead within the business area to solve problems

B5 Quality focus

Pass

• Demonstrating the required level of quality focus and follows the rules, procedures and principles

Distinction

• Playing a lead role in quality focus and assisting others in following the rules, procedures and principles

B7 Clear communicator

Pass

Demonstrating open, honest and clear communication.

Distinction

 Demonstrating a wide range of communication methods including always listening to others with a respectful and positive attitude

B8 Team player

Pass

- Making an effort to integrate with a team, taking personal responsibility and supporting other people in a professional manner
- Understanding and considering implications of own actions on other people/activities

Distinction

Demonstrates leadership capabilities across teams

B9 Applies lean manufacturing principles (continuous improvement)

Pass

The application of lean and continuous improvement manufacturing principles

Distinction

• Leading and drives effectiveness and efficiency

Points to note:

- All the KSBs (Knowledge, Skills and Behaviours) listed above must be covered in the presentation
- Each KSB must be referenced to the portfolio of evidence
- The statements supporting each KSB are to provide some guidance/scope against the specific KSB criteria

Guidelines for Method 2 Occupational Professional Discussion

Prior to the end-point assessment you will produce an occupational competence report that sets out how you have achieved occupational competence in each of the following Knowledge, Skills and Behaviours (KSBs) as set out in **Annex A: K1, K3, K4, K6, K8, K9, S1, S2, S4, B1, B2, B6, B10, B11, B12 and B13.** The occupational competence report for each of the KSBs should not exceed **250** words, **4000** words for the total report. The occupational competence report will make reference to supporting evidence which will be used during the Occupational Professional Discussion. The occupational competence report and supporting evidence must be based on examples from the **on-programme period** and be available prior to the gateway, to allow the employer to authenticate its content.

The Occupational Professional Discussion is an interactive process, which will enable the end-point assessor to further assess your occupational competence. It is a structured and formal discussion between you and the end-point assessor, drawing upon your occupational competence report and supporting evidence/documentation of how you have performed during the apprenticeship when undertaking employer directed work-based projects/tasks during your apprenticeship.

EAL as the EPAO will develop a bank of core questions which can be used and contextualised by the end-point assessor during the Occupational Professional Discussion. The end-point assessor will also develop their own specific and targeted questions after reviewing the occupational competence report and supporting evidence to further explore competence against the knowledge, skills and behaviours specified in the standard. EAL as the EPAO will use a structured template for the end-point assessor to use during the Occupational Professional Discussion, to provide robustness, consistency and fairness with a clear and auditable mechanism for providing feedback to the apprentice.

The requirements for the Occupational Professional Discussion are:

- It covers the knowledge, skills and behaviours listed in **Annex A** as being assessed by the Occupational Professional Discussion.
- You should have a minimum of **two** weeks' notice of the date and location of the Occupational Professional Discussion.
- The Occupational Professional Discussion will be 90 +/- 5 minutes in duration.
- You must make your occupational competence report and supporting evidence available throughout the
 duration of the Occupational Professional Discussion so that it can be referenced during the discussion
 and subsequent questioning by the end-point assessor.
- The Occupational Professional Discussion will be conducted face to face or via live video link (where EAL as the EPAO have the facilities available and can guarantee the integrity of the assessment).
- The Occupational Professional Discussion will be conducted in a 'controlled environment', i.e. a quiet room, away from the normal work area.
- The Occupational Professional Discussion can be recorded (audio or video) if all parties are in agreement. Where permission is not given it is permissible for another end-point assessor to be present to document evidence presented and record the response to questions. Where a second end-point assessor is used to act as a scribe they must not be involved in any assessment decision and must be independent i.e has had nothing to gain from the outcome of the assessment and has had no direct involvement in the day to day training and development of the apprentice during the on-programme phase of apprenticeship.
- A technical expert from the employer can attend the Occupational Professional Discussion if they are
 requested to do so by EAL as the EPAO in order to provide the end-point assessor with any relevant
 technical support, advice and guidance such as confirming company policies, procedures, processes,
 providing context on technical information or on emerging technologies. Any information provided by the
 employer technical expert must only be at the request of the end-point assessor who has the final say
 over the assessment and grade awarded. The employer technical expert <u>must not</u> provide evidence on
 behalf of you.

- The grade criteria for achieving a Fail, Pass or Distinction in the Occupational Professional Discussion is itemised in **Annex B.**
- You will be informed of the end-point assessors overall assessment decision as soon as possible after both assessment methods have been completed. This may be after EAL as the EPAO has moderated the decisions made by assessors.

You must evidence your report on the Apprentice Report Template provided by EAL to ensure all Knowledge, Skills and Behaviours requirements have been met:

EAL L6 Control/Technical Support Engineer Apprentice Report Template

The EPAO/Independent Assessor will complete the Method 1 and Method 2 recording documentation provided by EAL, to ensure all knowledge, skills and behaviours requirements have been met

Apprentice Guidance for EPA Occupational Professional Discussion Preparation

What is an EPA Occupational Professional Discussion?

The EPA Occupational Professional Discussion is an interactive formal discussion focussed on the skills, knowledge and behaviours you need for your job role. It will enable the end point assessor to ask questions of you in relation to your skills, knowledge and behaviours, based on your on-programme period occupational competence report of evidence. Questions will be standardised, so that essential knowledge can be demonstrated consistently by all apprentices.

It is a structured discussion between you and the end point assessor drawing upon an occupational competence report of evidence of how you have performed during the Apprenticeship. It covers both the tasks you have completed in your day-to-day work, the standard of your work and the behaviours you have demonstrated throughout, such as being a team player, having a positive attitude and a strong work ethic; being a responsible and self-motivated employee with a proven commitment to your organisation. This enables the EPA Professional Discussion to cover a broad range of skills, knowledge and behaviours set out in the apprenticeship standard.

It will also be an opportunity for the end point assessor to:

- Clarify any points and/or question you on the evidence you have presented in the occupational competence report
- Confirm and validate that the occupational competence report of evidence is your own work
- Confirm and validate the judgements about the quality of the work you have completed
- Explore particular areas of work presented in the occupational competence report, how it was carried out, any problems that you encountered and how these were resolved
- Validate your skills, knowledge and behaviours of the organisation in terms of their products, processes, procedures and information systems.

The EPA Professional Discussion will also find out the depth and breadth of your understanding of the learning areas requirements.

Who is involved within EPA?

EAL as the EPAO can request the employer/nominated representative to attend, they may come from within their own organisation or brought in if required from other employers/nominated representative or from the training provider, but one member will come from the EPA organisation, they will not have directly worked with you or participated in your learning and training. An IQA (Internal Qualify Insurance) may also be present on the day for EPAO auditing purposes. The **EPA** members will have:

- Excellent knowledge and understanding of the apprenticeship standard
- The ability to contextualise the relevant **work-based** project(s)/task(s)
- Current, relevant occupational knowledge and expertise, at the relevant level of the occupational area(s) they are assessing, which has been gained through "hands on" experience in the profession within the last 5 years.

They will be 'approved' by EAL for the purposes of conducting the end-point assessment.

What preparation is needed for the EPA Occupational Professional Discussion?

Every EPA Occupational Professional Discussion is different, so it is not possible to know in advance exactly what the end point assessor will ask you. However, there are some common styles and approaches for this type of Professional Discussion that will help the end point assessor to assess your submitted occupational competence report. The examples you have submitted will be how you have performed your work activities and the EPA Professional Discussion will be your opportunity to show case all your skills, knowledge and behaviours. This will be the main focus during the assessment. However, you should also plan for wider questioning about your apprenticeship and what you have learned, how you have used the skills, knowledge and behaviours gained and applied this learning in your work.

It is not a memory test and you can prepare notes making reference to your occupational competence report so you may want to do this as your planned approach and have your notes with you during the Professional Discussion.

Having spent so much time developing your occupational competence report of evidence to showcase your skills, knowledge and behaviours to your employer, it may seem strange to hear that a key part of your preparations is to get to re-cap on what you have submitted in your occupational competence report. The end point assessor will expect you to have a good understanding of the contents of your work and that means knowing your on-programme period occupational competence report so you can discuss the content with minimum notes, after all you performed the tasks.

Here are some ideas to help you prepare for your EPA Professional Discussion.

- Make notes to remind you of key points you need to remember and flag pages in your occupational
 competence report where you may need to refer for detailed information. Practice using this method to
 ensure any reference you give is correct.
- Who are you? Think bigger picture. What do you know about your organisation? What do you do in your organisation? Who do you report to and interact with? Where do you sit within your organisation? How important is your work to you and your organisation? What would happen if you didn't do your job?
- Develop an introduction of yourself, what you do and the apprenticeship journey you have taken to get to where you are.
- Read through each example and think about the key features of how you do your job and the behaviours you have demonstrated. It is likely the questions from the end point assessor will probe stages of your approach to your work, the behaviours you have adopted to ensure it follows a logical sequence in a safe, effective and efficient manner in line with the expected organisational procedures. If you think you missed details or made a mistake during your own review of your occupational competence report, don't panic. Make a note, build it in to your showcase and prepare an answer that you can use if it is questioned during the EPA Professional Discussion.
- Work with your mentor to build your evidence against the apprenticeship standard and what is required for the standard and how your evidence meets those requirements. Your EPA Professional Discussion will find out your depth and breadth of understanding of the competence requirements.
- Be clear when discussing your work in the context of what you did. Think about including 'l' instead of 'We'.
- For example; 'I was responsible for....' and when discussing working in a team be clear in defining what your contribution was and the work elements you completed.
- Practice showcasing examples of your work to yourself and then with others who are not involved in the EPA Professional Discussion to gain confidence. Ask them to challenge you with questions.

• Make a list of what you need for your EPA Professional Discussion and check it off before you arrive to ensure you have all you need for a successful Professional Discussion.

What happens during the EPA Professional Discussion?

- Be prepared.
- Be well presented, you should at least be well groomed and neatly dressed.
- Stay calm and pleasant.

Your end point assessor will cover some preliminary generic items such as; introductions, the approach and timings of the EPA Professional Discussion as well as your right to appeal, in the event that you feel the final decision is not appropriate.

A series of questions will be put to you to answer and notes will be recorded by the end point assessor, For example:

- Talk us through.......
- Explain in detail.......
- Describe......
- Give an example.....
- Demonstrate.....
- Where do you find.......
- How did you.....
- What was the objective.....
- Why did you.....

Listen carefully to the questions. Don't answer simply 'yes' or 'no' to questions; on the other hand, do not give a prepared speech. Try to answer the question as it is put to you. If you don't understand the question, ask the end point assessor to repeat it or repeat your interpretation to the end point assessor. If you still don't understand the question, then it is better to admit it than to try and bluff.

Don't be overly worried that some parts of the EPA Professional Discussion were really difficult; it is only by pushing you to your limits that the end point assessor can determine your ability.

At the end of the assessment you will be informed the EPA Professional Discussion is over.

Collect you papers and any items you prepared and breathe – well done you have just completed your EPA Professional Discussion.

Guidelines for Grading the Case Studies Presentation and Occupational Professional Discussion

There are **two** assessment components, which are managed by the End-Point Assessment Organisation. These are:

Assessment	Weighting	Conducted by	Grading Outcomes
Component		whom	
Method 1. Case		End-Point	1. Fail
Studies Presentation	E00/	Assessment	2. Pass
	50%	Organisation	3. Distinction
Method 2.		End-Point	1. Fail
Occupational	F00/	Assessment	2. Pass
Professional	50%	Organisation	3. Distinction
Discussion			

- Assessment Methods 1 and 2 have been equally weighted and you must achieve a Pass in all Knowledge, Skills and Behaviours as a minimum requirement for the apprenticeship certificate to be awarded. A Fail in any Knowledge, Skills and Behaviours will mean that you will be offered a resit or re-take. (Pg. 17)
- See **Annex B** End-Point Assessment Grading criteria and grade boundaries for the following grades Fail, Pass and Distinction.
- To be awarded a Distinction, you must achieve Distinction in at least 3 criteria in each of the Knowledge,
 Skills and Behaviours in both Assessment Methods

The end point assessor will complete the overall scoring and grading tables within the Apprentice Recording Document provided by EAL

Confirmation of the outcomes will be sent to your employer and once agreed, then EAL as the EPAO will submit your results and request your apprenticeship certificate.

Re-sits and Re-takes

Apprentices awarded a Fail in one or both assessment methods will be offered the opportunity to take a re-sit or re-take. See **Annex B** for the grade criteria for Methods 1 and 2. A re-sit does not require further learning, whereas a re-take does. In the case of a re-sit, little or no further work will be required on the Case Studies Presentation and supporting evidence (Method 1) and the occupational competence report and supporting evidence (Method 2). You should have an agreed action plan to prepare for the re-sit/re-take. If requested the employer can invite their Training Provider to be part of the development of any action plans for a re-take.

The employer determines when the end-point assessment re-sits/re-takes must be completed following the formal receipt from EAL as the EPAO that the apprentice has not passed either or both of the end-point assessment methods.

It will be the responsibility of the employer to determine the number of times the apprentice can re-sit/re-take the end-point assessment.

The maximum grade awarded to a re-sit/re-take will be **Pass**, unless the EAL as the EPAO identifies exceptional circumstances accounting for the original grade of Fail.

Method 1. Case Studies Presentation.

Grade Outcome	Re-sit/Re-take Criteria
Fail - Re-take required	A fail in B1, any Skill or in 2 or more of the Knowledge and/or
	Behaviours criteria
Fail – Re-sit required	A single fail in Knowledge or Behaviour criteria

Method 2. Occupational Professional Discussion.

Grade Outcome	Re-sit/Re-take Criteria
Fail – Re-take required	A fail in B1, any Skill or in 2 or more of the Knowledge and/or
	Behaviours criteria
Fail – Re-sit required	A single fail in Knowledge or Behaviour criteria

Annex A - End-Point Assessment Methods Mapping

The following table provides an overview of the requirements detailed within the Level 6 Control/Technical Support Engineer standard and where they are covered by each end-point assessment component.

Ref	Knowledge – The apprentice must be able to demonstrate an understanding of:	Assessment Method
K1	Analytical, mathematic and scientific methods for engineers	Occupational Professional Discussion
K2	Project design, implementation and evaluation	Case Studies Presentation
КЗ	Instrumentation and control principles and applications	Occupational Professional Discussion
K4	Mechanical, electrical, electronic, process control and digital principles and applications	Occupational Professional Discussion
K5	Applications of pneumatics and hydraulics	Case Studies Presentation
К6	Health, safety and risk assessment in engineering	Case Studies Presentation and Occupational Professional Discussion
К7	Industrial control systems and applications	Case Studies Presentation
К8	Materials and manufacturing processes	Occupational Professional Discussion
К9	Product improvement and engineering project management	Occupational Professional Discussion
Ref	Skills – The apprentice must be able to:	Assessment Method
S1	Comply with statutory and organisational safety requirements and demonstrate a responsible and disciplined approach to risk mitigation, avoidance and management.	Case Studies Presentation and Occupational Professional Discussion
S2	Use and interpret a range of engineering data sources and supporting documentation	Occupational Professional Discussion
S3	Lead complex maintenance or technical support activities	Case Studies Presentation
S4	Carry out testing and calibration of instrumentation control equipment	Occupational Professional Discussion
S5	Carry out maintenance activities on electrical equipment	Case Studies Presentation
Ref	Behaviours – The apprentice must be able to demonstrate the following:	Assessment Method
B1	Safety mindset . The importance of complying with statutory and organisational health, safety and risk management requirements and the implications if these are not adhered to	Case Studies Presentation and Occupational Professional Discussion
B2	Strong work ethic: Has a positive attitude, motivated by engineering; dependable, ethical, responsible and reliable.	Occupational Professional Discussion
В3	Logical approach: Able to structure a plan and develop activities following a logical thought process, but also able to quickly "think on feet" when working through them.	Case Studies Presentation
В4	Problem solving orientation : Identifies issues quickly, enjoys solving complex problems and applies appropriate solutions. Has a strong desire to push to ensure the true root cause of any problem is found and a solution identified which prevents further recurrence.	Case Studies Presentation

		,
B5	Quality focus: Follows rules, procedures and principles in ensuring work completed is fit for purpose and pays attention to detail / error checks throughout activities.	Case Studies Presentation
В6	Personal responsibility and resilience : Motivated to succeed accountable and persistent to complete task.	Occupational Professional Discussion
В7	Clear communicator: Uses a variety of appropriate communication methods to give/receive information accurately, and in a timely and positive manner.	Case Studies Presentation
B8	Team player: Not only plays own part but able to work and communicate clearly and effectively within a team and interacts/ helps others when required. In doing so applies these skills in a respectful professional manner.	Case Studies Presentation
В9	Applies Lean Manufacturing Principles: Demonstrates continuous improvement in driving effectiveness and efficiency	Case Studies Presentation
B10	Adaptability: Able to adjust to different conditions, technologies, situations and environments.	Occupational Professional Discussion
B11	Self-Motivation: A 'self-starter', who always wants to give their best, sets themselves challenging targets, can make their own decisions.	Occupational Professional Discussion
B12	Willingness to learn: Wants to drive their continuous professional development	Occupational Professional Discussion
B13	Commitment: Able to commit to the beliefs, goals and standards of their own employer and to the wider industry and its professional standards.	Occupational Professional Discussion

Annex B – Grading Criteria Method 1 & Method 2

Grac	rading Criteria - Method 1 – Case Studies Presentation			
Ref	Descriptors	Fail Criteria F	Pass Criteria P	Distinction Criteria D
K2	Project design, implementation	Knowledge insufficient to effectively contribute to project design, implementation and evaluation	contributes knowledge of project management to business led design and development projects	And understands how to lead a project balancing timing, quality, cost and delivery considerations
K5	pneumatics and hydraulics	Did not demonstrate sufficient knowledge in the application of pneumatics and hydraulics	the application of pneumatics and hydraulics	And can apply and knows how to lead with advanced pneumatic and hydraulic principles
K6	Health, safety and risk assessment in engineering	satisfactory understandin of statutory and organisational safety requirements and/or	Demonstrates a sound understanding compliant, disciplined and responsible with Statutory and Organisational headlearly the significance of the robust rand documentation required (Pass Grade Only)	e behaviours in complying alth, safety and explains
K7	systems and applications	Did not demonstrate a sufficient understanding of Industrial control systems and applications	,	Andidentifies how advanced knowledge in Industrial control systems and applications can be applied/utilised in problem rectification and the training and development of others
S1	organisational safety requirements and demonstrate a responsible and disciplined	and organisational safety requirements and didn't	Demonstrates the importance of com responsible behaviours in complying was Organisational health, safety and risk and implications if these are not adhe (Pass Grade Only)	with Statutory and management requirements
\$3	technical support	Does not demonstrate ability to lead complex maintenance or technical support activities	Follows a sound, systematic approach when leading maintenance or technical support activities	And demonstrates advanced capabilities in leadership by organising, scheduling and managing maintenance and technical support activities
S5	Carry out maintenance activities on	Does not demonstrate ability to effectively carry		And can perform a leading

	electrical	out maintenance activities		and driving maintenance
	equipment	on electrical equipment		teams to affect optimum
	' '			performance of electrical
				equipment
B1	Safety mindset	Does not demonstrate	Demonstrates the importance of com	pliant, disciplined and
		compliant, disciplined and	responsible behaviours in complying v	vith Statutory and
		responsible Health and	Organisational health, safety and risk	management requirements
		Safety behaviours	and implications if these are not adhe	red to
			(Pass Grade Only)	
В3	Logical approach	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	And Thinks quickly on feet
		and develop activities	follows a logical thought process	
		logically		
B4	Problem solving	Is willing to leave		Anddrives to the root
	orientation	engineering problems	issues/problems quickly, enjoys	cause of problems and finds
				solutions preventing
			appropriate solutions.	recurrence
B5	Quality focus		Follows quality rules, procedures and	
			principles ensuring work completed is	and identifies quality issues
		, ,	fit for purpose	
B7	Clear	Does not demonstrate		Anduses a wide range of
	communicator	appropriate behaviours	· · · · ·	appropriate communication
		when communicating	methods.	methods in a timely and
				positive manner whilst
				actively listening to others.
B8	Team player	Does not demonstrate		And helps and encourages
			and communicates clearly and	others when required
			effectively within a team in a	
			respectful and professional manner	
			so that the information given is accurate	
B9	Apply lean			Andtakes a lead role in
פס	manufacturing			driving lean/continuous
	principles		in driving effectiveness and efficiency	
	himcibies	mmu-set	in univing effectiveness and efficiency	improvement activities

Grad	irading Criteria - Method 2 - Occupational Professional Discussion				
Ref	Descriptors	Fail Criteria F	Pass Criteria P	Distinction Criteria D	
K1	Analytical, mathematic and scientific methods for engineers	one or both disciplines	Contributes to the business with knowledge in analytics, mathematic and scientific methods	And knows how to apply situations that require an advanced understanding of mathematic, scientific and analytical methods over a broad range of areas.	
К3	Instrumentation and control principles and applications	sufficient understanding of Instrumentation and	Understands how to effectively contribute with a firm grasp and deep understanding in Industrial control systems and applications	Andidentifies how advanced knowledge in instrumentation and controls principles can be applied/utilised in problem rectification and the training and development of others	
K4	Mechanical, electrical, electronic, process control and digital principles and applications	required knowledge of appropriate electrical, electronic, process control	Demonstrates knowledge of advanced electrical, electronic, process control and digital principles and applications within a control/technical support context	Andidentifies how advanced knowledge in electrical, electronic, process control and digital principles and applications can be applied/utilised in problem rectification and in the training and development of others	
К6	Health, safety and risk assessment in engineering	satisfactory understanding of statutory and organisational safety requirements and/or	compliant, disciplined and responsible behaviours in complying with Statutory and Organisational health, safety and explains clearly the significance of the robust risk assessment methodology and documentation required (Pass Grade Only)		
К8	Materials and manufacturing processes	required level of understanding in	A comprehensive understanding in manufacturing methods and sound knowledge in operating with appropriate materials	And explains how these can be applied/utilised to enhance product and design needs	
К9	Product improvement and engineering project management	of product improvement	Contributes knowledge of product improvement and project management to business led design and development projects	Andknows how to lead in situations requiring product improvement and advanced project management	
S1	Comply with statutory and organisational safety requirements	compliance with statutory and organisational safety			

		done o o troto roco o o ciblo	(Dass Crade Only)	
	responsible and disciplined approach to risk mitigation, avoidance and management	demonstrate responsible and disciplined approach to risk mitigation, avoidance and management	(Pass Grade Only)	
	range of engineering data	Does not demonstrate ability to effectively contribute in the evaluation of data and documentation	broad range of data sources and documentation	Andidentifies key information and offers realistic recommendations and solutions
	Carry out testing and calibration of instrumentation control equipment	Unable to effectively test or calibrate instrumentation control equipment	capability in the testing and calibration of instrumentation control equipment	And can effectively lead by producing calibration schedules and identifying new calibration and testing techniques
B1	Safety mindset	Does not demonstrate compliant, disciplined and responsible Health and Safety behaviours	Demonstrates the importance of com responsible behaviours in complying vorganisational health, safety and risk requirements and implications if these (Pass Grade Only)	vith Statutory and management
B2	Strong work ethic	Fails to demonstrate satisfactory work ethic or commitment	motivated by engineering; dependable, ethical, responsible and reliable	And Encourages others by leading by example and promoting and explaining the benefits of a strong work ethic
В6	responsibility and		taking personal responsibility with a determined and resilient approach to attaining successful outcomes and results	And Volunteers or requests to take on leading roles in challenging and demanding situations offering direction and guidance
B10	Adaptability	Struggles to adapt or operate out of comfort zone over a range of Situations, Environments and Technologies (SET)	adaptability and capacity to adjust to suit specific operational requirements	•
	Self-motivation	levels of self-motivation, sustained self-starting or ability in making own decisions	clear desire to perform at their best either as an individual or as part of a team	encouraging and coaching others to adopt similar levels of self-motivation and drive
B12		advantage of new learning	skills and knowledge on a regular basis	And actively sources opportunities or training courses to further enhance own abilities and knowledge levels

B13	commitment to employer beliefs, goals and standards	commitment, embracing employer beliefs and aspiring to the same goals and standards	Professional Engineering Institution in order to gain professional recognition at the appropriate level, such as
			the appropriate level, such as Incorporated Engineer.

Annex C – Apprentice Report Template

End Point Assessment On-Programme Period Occupational competence report Review for Level 6 Control/Technical Support Engineering

Apprentice Name:	Click or tap here to enter text.
Date of submission:	Click or tap to enter a date.
Employer Name:	Click or tap here to enter text.

Date of End Point Assessment: Click or tap to enter a date.

*Note: The Apprentice Report Template must be submitted to EAL as supporting evidence as part of their EPA application.

^{*}Please note this is for guidance purposes only*

				KNOWLEDGE	
Ref.	Descriptors	Fail	Pas	ss Criteria	Distinction Criteria
K1	Analytical, mathematic and scientific methods for engineers		Contributes to the business and Science	, and the second	And knows how to apply situations that require an advanced understanding of mathematic, scientific and analytical methods over a broad range of areas.
	Pass criteria of	Scope st	atements *	Justification of why they think the	ey met Pass criteria referenced to appropriate K1 annex
- F	problems using the ca Apply standard proba analyse engineering p	ngineerin alculus. bility and problems situations matrix me s and ap	g situations and solve statistical techniques to and solve problems using ethods. bly complex numbers	Click or tap here to enter text	
For a g	Distinction criteria rade of Distinction, the Appy more complex a scenarios.	ne appre	ntice also knows how to;		

Ref.	Descriptors	Fail	Pas	ss Criteria	Distinction Criteria
1/0	Instrumentation and				And explains how these can be
K3	control principles and applications		and sound knowledge in op materials		applied/utilised to enhance product and design needs
	Pass criteria of	Scope st			ey met Pass criteria referenced to appropriate K3
F	For a grade of Pass, th	ne apprei	ntice knows how to	Click or tap here to enter text	
•	Maintain a range of ir	strument	ation and control		
	equipment such as:	ow level :	and temperature		
	 Pressure, fluinstruments 		and temperature		
	 Fiscal moni 		uipment.		
			ater, chemical and metal		
	detection, a				
	Industrial wLinear and		I speed measurement and		
	control.	Totationa	r opoda mododromom and		
	 Vibration m 				
	 Photo-optic 				
			ion measurement. and indicators.		
	Telemetry s		and indicators.		
	 Emergency 	shutdow			
-	 Other speci 				
	olves a sound understa ace a range of instrume		now to dismantle, remove,		
			it level.in accordance with		
	d procedures.				
	Distinction criteria	of scope	e statements*		
For a g			ntice also knows how to;		
-			ficient operation on control		
	equipment, such as; i	auit diagi	nostic and troubleshooting		
-	•	uidance (on relevant settings, such		
	as pressure levels		-		
-	Identify relevant new		•		
	integrated into curren Validate suitability of				
Ref.	Descriptors	Fail		ss Criteria	Distinction Criteria
	Mechanical,		Demonstrates knowledge of		Andidentifies how advanced knowledge can
K4	electrical, electronic,		techniques/application with	in a design and development	be applied/utilised in problem rectification and
	process control and		context		the training and development of others
	digital principles and applications				
	Pass criteria of	Scone st	atements *	Justification of why they think the	ey met Pass criteria referenced to appropriate K4
	1 dos ontena or	000pc 30	atomonto		annex
F	or a grade of Pass, th			Click or tap here to enter text	
•		•	meters and recognise their		
	units of measurement		e analysis of DC and AC		
	circuits.	omo to tili	o analysis of DO and AO		
•		of electro	nic devices to common		
	electronic circuits.				
•			sic electromagnetic effects.		
•	Demonstrate the use sequential logic device		compinational and		
•			nalogue-to-Digital and		
	Digital-to-Analogue co				
•	Describe the basic str	ructure of	a microprocessor system		
				Ĺ	

Distinction criteria of scope statements* For a grade of Distinction, the apprentice also knows how to; Display and demonstrate all the above criteria and... Apply those principles in more complex scenarios. Display advanced knowledge in interpretation and evaluation. Ref **Descriptors** Pass Criteria Distinction Criteria Health, safety and Is fully conversant with and can explain in detail the requirements and complexities of static and dynamic K6 risk assessment in engineering systems engineering Justification of why they think they met Pass criteria referenced to appropriate K6 Pass criteria of Scope statements * For a grade of Pass, the apprentice knows how to; Click or tap here to enter text. For a pass grading, the apprentice demonstrates appropriate knowledge and understanding in the compliance of a disciplined and responsible application of Health and Safety requirements and risk assessment in engineering including but not limited to; PPE regulations **COSHH** regulations Risk assessments, management and mitigation Accident/emergency procedures Fire/evacuation procedures Procedures for hazardous malfunctions Safely operating/using tools and equipment Lifting/carrying techniques (Pass Grade Only) Ref. Fail **Distinction Criteria Descriptors** Pass Criteria Is fully conversant with and can explain in detail the And... can apply superior knowledge by leading Materials and K8 manufacturing requirements and complexities of static and dynamic in the development of advanced processes and processes engineering systems procedures Justification of why they think they met Pass criteria referenced to appropriate K8 Pass criteria of Scope statements * For a grade of Pass, the apprentice knows how to; Click or tap here to enter text. Review the classification of engineering materials including service requirements, environment, ease of manufacture and cost. Define, analyse and compare the properties of engineering materials including their structure and methods of processing. Review the methods of selecting and testing materials for engineering applications. investigate failure modes and degradation of engineering materials. Distinction criteria of scope statements* For a grade of Distinction, the apprentice also knows how to; Demonstrate advanced knowledge in the application of above criteria. Display in depth knowledge in the definition, analysis and comparison of engineering materials, methods and processes.

Ref.	Descriptors	Fail	la full		ith and an array later to the	Pass Crit	_
K9	Product improvement and engineering project management			s and co	vith and can explain in detai complexities of static and dyr s		And can apply superior knowledge by leading in the development of advanced processes and procedures
Pass cr	riteria of Scope sta	tements*			Justification of why they t	hink they m	net Pass criteria referenced to appropriate K9 annex
	Lead in the plan project manage Drive improvem	project ma o engineer orocesses t and project obtaining a ects on bo processes es to ensu of improve people of lemented. of scope section, the rs how to; nning, implement of important	anage ring products ect manage all necessary th the engine is involved. re effective ements. the improvem statements* apprentice a ementation an approvements.	ering ents	Click or tap here to e	nter text.	
	conclusion.				OKII I C		
Ref.	December		Fail		SKILLS Pass Criteria		Distinction Criteria
S1	Descriptor Comply with statu and organisationa requirements and demonstrate a responsible and disciplined approa risk mitigation, av and management	atory al safety I ach to roidance	TCH	with S	nstrates the importance of o	health, saf	disciplined and responsible behaviours in complying ety and risk management requirements and
	Pass criteria of		tements*				
For a pappropri	For a grade of Pass pass grading, the riate skills in demonded and responsible requirements inclu- PPE regulations COSHH regulat Risk assessment on. Accident/emerg Fire/evacuation Procedures for land Safely operating Lifting/carrying to	apprentice apprentice instrating a le applications it is it	prentice can; e applies a compliant, ion of Health iot limited to; gement and edures es malfunctions ols and equipn	and	Click or tap here to e	nter text.	

Pof	Docorintore	Fail			Pass Criteria	Distinction Criteria
Ref.	Descriptors Effectively use	Fall	Hear in	tornroto o		Distinction Criteria
S2	Effectively use, interpret and				nd evaluates a broad range of documentation	Andidentifies key information and offers realistic recommendations and solutions
32	evaluate a		uala sou	iices and	documentation	recommendations and solutions
	range of					
	engineering					
	data sources					
	and					
	documentation.					
	Pass criteria of	Scone stater	ments *		Justification of why they think th	hey met Pass criteria referenced to appropriate S2 annex
For a	grade of Pass, the				Click or tap here to enter	*
	Evaluate and in	• •		ta in	click of tap fiere to effect	text.
	accordance with					
	Plan the most e					
	Obtain relevant					
	sources			-		
•	Report any prob	olems that th	ey cannot	t		
	personally resol		,			
•	Present results		uation to			
	appropriate per					
	Distinction criteria		tements*	:		
For a	grade of Distinction	•				
	Perform a lead					
	engineering dat		alaation			
	Display an adva		in plannin	g and		
	effective evalua		iii piaiiiiii	ig and		
Ref.	Descript	tors	Fail		Pass Criteria	Distinction Criteria
	Carry out testing			Establis	hes design briefs. Presents	And, leads with advanced abilities in design principles,
S4	calibration of instr				cusses technical proposals	
				and dis	Lusses lechinical proposais	copyright and intellectual property issues
	control equipmen			and dis	cusses tecrimical proposals	copyright and intellectual property issues
F	control equipmen Pass criteria of Scop	t	s *			net Pass criteria referenced to appropriate S4 annex
	Pass criteria of Scop a grade of Pass, th	t pe statement ne apprentic	e can:	Ju		
	Pass criteria of Scop a grade of Pass, the Lead and carry	t be statement ne apprentic out tests and	e can:	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, th	t be statement ne apprentic out tests and	e can:	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, th Lead and carry calibration of ins control equipme	to be statement to a strumentation ent and circuit and circuit	e can: d n and	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, the Lead and carry calibration of inst control equipment accordance with	to be statement to a strumentation ent and circuit and circuit	e can: d n and	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, the Lead and carry calibration of inst control equipment accordance with procedures	t pe statement ne apprentic out tests and strumentation ent and circuin approved	e can: d n and its, in	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, the Lead and carry calibration of instance control equipment accordance with procedures Carry out the var	te statement ne apprentic out tests and strumentation ent and circuin n approved	e can: d n and its, in	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, the Lead and carry calibration of ins control equipme accordance with procedures Carry out the value calibration on a	te statement ne apprentic out tests and strumentation ent and circuin approved arious tests a range of cor	e can: d n and its, in	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, the Lead and carry calibration of instance control equipment accordance with procedures Carry out the variable calibration on a systems instrum	te statement ne apprentice out tests and circuin approved arious tests a range of cornentation equation equatio	e can: d n and its, in ind ntrols	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, the Lead and carry calibration of instance on trol equipment accordance with procedures Carry out the vacalibration on a systems instrum Carry out tests a	te statement ne apprentice out tests and circuin approved arious tests a range of cornentation equand calibratical	e can: d n and its, in ind ntrols uipment, on	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, the Lead and carry calibration of instance with procedures Carry out the vacalibration on a systems instrum Carry out tests a which will include	te statement ne apprentic out tests and strumentation ent and circuin approved arious tests a range of cor nentation equ and calibratic de voltage ar	e can: d n and its, in and itrols uipment, on	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, the Lead and carry calibration of instance with procedures Carry out the vacalibration on a systems instrum Carry out tests a which will include current levels, re	te statement ne apprentic out tests and strumentation ent and circuin approved arious tests a range of cor nentation equand calibratic de voltage ar esistance va	e can: d n and its, in and itrols uipment, on id lues,	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, th Lead and carry calibration of ins control equipme accordance with procedures Carry out the va calibration on a systems instrum Carry out tests which will includ current levels, r waveform, oper	te statement ne apprentic out tests and strumentation ent and circuin approved arious tests a range of cor nentation equand calibratic de voltage ar esistance va n/short circuit	e can: d n and its, in and itrols uipment, on id lues, t, signal	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, th Lead and carry calibration of ins control equipme accordance with procedures Carry out the va calibration on a systems instrum Carry out tests a which will includ current levels, r waveform, oper injection, logic s	te statement ne apprentic out tests and strumentation ent and circuin approved arious tests a range of cor nentation equ and calibration de voltage ar esistance va n/short circuit state, pressu	e can: d n and its, in and ntrols uipment, on id lues, t, signal re/leak	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, the Lead and carry calibration of instance with procedures Carry out the vacalibration on a systems instrum Carry out tests a which will include current levels, rewaveform, oper injection, logic stests, signal me	te statement a prentice out tests and strumentation ent and circumentation approved arious tests a range of cornentation equand calibraticale voltage are esistance van state, pressurasurement a	e can: d n and its, in and ntrols uipment, on id lues, t, signal re/leak	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, the Lead and carry calibration of instance with procedures Carry out the vacalibration on a systems instrum Carry out tests a which will include current levels, re waveform, oper injection, logic s tests, signal me transmission an	te statement ne apprentice out tests and strumentation ent and circuin approved arious tests a range of cornentation equand calibraticale voltage ar esistance van/short circuit state, pressur asurement and other special	e can: d n and its, in and ntrols uipment, on id lues, t, signal re/leak	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, th Lead and carry calibration of ins control equipme accordance with procedures Carry out the va calibration on a systems instrum Carry out tests a which will includ current levels, ru waveform, oper injection, logic s tests, signal me transmission an special-to-type	te statement ne apprentice out tests and strumentation ent and circuin approved arious tests a range of cornentation equand calibraticale voltage ar esistance van/short circuit state, pressurasurement and other specitests.	e can: d n and its, in and ntrols uipment, on id lues, t, signal re/leak and cific or	Ju	stification of why they think they r	
	Pass criteria of Scop a grade of Pass, th Lead and carry calibration of ins control equipme accordance with procedures Carry out the va calibration on a systems instrum Carry out tests a which will includ current levels, ru waveform, oper injection, logic s tests, signal me transmission an special-to-type Comply with org	te statement ne apprentice out tests and strumentation ent and circuin approved arious tests a range of cornentation equand calibraticale voltage ar esistance van/short circuit state, pressurasurement and other specitests.	e can: d n and its, in and ntrols uipment, on id lues, t, signal re/leak and cific or poolicy	Ju	stification of why they think they r	
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Distinction criteria of scope statements* For a grade of Distinction, the apprentice can also: Write procedures for calibration of equipment, identifying frequency and relevant parameters. Analyse relevant data to determine calibration techniques and identify new equipment which can be utilised to improve processes **BEHAVIOURS** Ref Descriptors Fail Pass Criteria Distinction Criteria Demonstrates the importance of compliant, disciplined and responsible behaviours in complying Safety mindset B1 with Statutory and Organisational health, safety and risk management requirements and implications if these are not adhered to Justification of why they think they met Pass criteria referenced to appropriate B1 annex Pass criteria of Scope statements * For a pass grading, the apprentice applies Click or tap here to enter text. appropriate skills in demonstrating a compliant, disciplined and responsible application of Health and Safety requirements, including but not limited to; PPE regulations COSHH regulations Risk assessments, management and mitigation. Accident/emergency procedures Fire/evacuation procedures Procedures for hazardous malfunctions Safely operating/using tools and equipment Lifting/carrying techniques Ref. Descriptors Fail Pass Criteria Distinction Criteria Strong work ethic Demonstrates a positive attitude, And... Encourages others by leading by example and B2 motivated by engineering; dependable, promoting and explaining the benefits of a strong work ethical, responsible and reliable Justification of why they think they met Pass criteria referenced to appropriate B2 annex Pass criteria of Scope statements * For a grade of Pass, the apprentice knows Click or tap here to enter text. how to: Demonstrate a positive attitude motivated by engineering o Dependable Ethical Responsible Reliable Distinction criteria of scope statements* For a grade of Distinction, the apprentice also knows how to; Encourage others by leading by example and promoting and explaining the benefits of a strong work ethic

Ref.	Descriptors	Fail	Pass Criteria	Distinction Criteria
В6	Personal responsibility and resilience		Provides a strong demonstration in taking personal responsibility with a determined and resilient approach to attaining successful outcomes and results	By Volunteers or requests to take on leading roles in challenging and demanding situations offering direction and guidance
ı	Pass criteria of Scope statements	*		net Pass criteria referenced to appropriate B6 annex
	grade of Pass, the apprentice I how to;		Click or tap here to enter text.	
Provide a strong demonstration in taking personal responsibility with a determined and resilient approach to attaining successful outcomes and results				
	stinction criteria of scope statemer			
For a grade of Distinction, the apprentice also knows how to demonstrate advanced ability; By volunteering or requesting to take on leading roles in challenging and demanding situations, offering direction and guidance.				
Ref.	Descriptors	Fail	Pass Criteria	Distinction Criteria
B10	Adaptability		Displays strong characteristics in adaptability and capacity to adjust to suit specific operational requirements	And Actively seeks out new SETs and provided encouragement and support to those who struggled to adjust
I	Pass criteria of Scope statements	*	Justification of why they think they m	et Pass criteria referenced to appropriate B10 annex
Dis For:	prade of Pass, the apprentice I how to; Display strong characteristics adaptability and capacity to a to suit specific operational requirements stinction criteria of scope statemer a grade of Distinction, the appre knows how to demonstrate advability; By actively seeking out new S and provide encouragement a support to those who struggle adjust	in djust hts* entice anced SETs and	Click or tap here to enter text.	
Ref.	Descriptors	Fail	Pass Criteria	Distinction Criteria
B11	Self-motivation		Displays clearly recognisable levels of self-motivation, enthusiasm and a clear desire to perform at their best either as an individual or as part of a team	And by inspiring, encouraging and coaching others to adopt similar levels of self-motivation and drive
	Pass criteria of Scope statements		Justification of why they think they m	et Pass criteria referenced to appropriate B11 annex
For a	grade of Pass, the apprentice how to; Display clearly recognisable I of self-motivation, enthusiasm a clear desire to perform at the best either, as an individual of part of a team.	evels n and neir	Click or tap here to enter text.	

	inction criteria of scope statemer	nts*		
For a grade of Distinction, the apprentice also knows how to; Inspire, encourage and coach others to adopt similar levels of self-motivation and drive.				
Ref.	Ref. Descriptors Fail		Pass Criteria	Distinction Criteria
B12	Willingness to learn		Willing to learn and further develop skills and knowledge on a regular basis	And actively sources opportunities or training courses to further enhance own abilities and knowledge levels
Р	ass criteria of Scope statements	*	Justification of why they think they m	et Pass criteria referenced to appropriate B12 annex
Dis	For a grade of Pass, the apprentice knows how to; Display a willingness to learn and further develop skills and knowledge on a regular basis Distinction criteria of scope statements* For a grade of Distinction, the apprentice also knows how to; Actively sources opportunities or training courses to further enhance own abilities		Click or tap here to enter text.	
Ref.	and knowledge levels Descriptors	Fail	Pass Criteria	Distinction Criteria
B13	Commitment		Clearly displays strong levels of	And has actively engaged with a relevant Professional
			commitment, embracing employer beliefs and aspiring to the same goals and standards	Engineering Institution to gain professional recognition at the appropriate level, such as Incorporated Engineer
Р	ass criteria of Scope statements	*	commitment, embracing employer beliefs and aspiring to the same goals and standards	Engineering Institution to gain professional recognition
	ass criteria of Scope statements grade of Pass, the apprentice I how to; Commit to the beliefs, goa standards of their own employ to the wider industry	knows Is and	commitment, embracing employer beliefs and aspiring to the same goals and standards	Engineering Institution to gain professional recognition at the appropriate level, such as Incorporated Engineer
For a	grade of Pass, the apprentice I how to; Commit to the beliefs, goa standards of their own employ	knows Is and ver and	commitment, embracing employer beliefs and aspiring to the same goals and standards Justification of why they think they m	Engineering Institution to gain professional recognition at the appropriate level, such as Incorporated Engineer

Your details						
Apprentice Name:	Click or tap here to enter text.					
Apprentice Employee Number:	Click or tap here to enter text.					
Apprentice Signature:	Click or tap here to enter text.					
I confirm that the information and work of the apprentice, named abo	evidence contained in this assessment occupational competence report is the ove \Box (tick)					
Employer representative (mentor)	details					
Employer Representative Name:	Click or tap here to enter text.					
Employer Representative Job Title:	Click or tap here to enter text.					
Relationship to Apprentice:	Click or tap here to enter text.					
Representative Signature:	Click or tap here to enter text.					
Recommended check list for The End Point Assessment (pre Assessment Organisation	or employers for EPA: esentation and professional discussion) is booked with the Apprentice					
☐ A date and place of assessmen	nt is confirmed					
☐ The name of the end point ass	☐ The name of the end point assessor is confirmed along with assessment dates					
	Prior to End Point Assessment the Apprentice, supported by their employer/provider, must have completed the occupational competence report recording document against the apprenticeship standards					
☐ The Apprentice has prepared	for the EPA presentation and professional discussion					
☐ All dates/times/locations and	contact details are confirmed					

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Details of mentor or witnesses who will authenticate the examples of performance

Name	Position	Contact Email/Telephone	Signature
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Assessor Notes: Where the apprentice has provided sufficient evidence to satisfy the learning area as identified in the EAL L6 Control/Technical Support Engineer Assessment Report Template, the IA will indicate within the EAL L6 Control/Technical Support Engineer Assessment Recording Document. Where a Learning Area has not been fully met, questions should be prepared to be used at the professional discussion.

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