

General Overview

- ✓ Typical on-programme learning: 48 months
- ✓ Typical EPA duration: 4 months
- ✓ Maximum funding: £27,000
- ✓ Level 3



The aim of this End-Point Assessment (EPA) is to ensure that the apprentice is occupationally competent against the knowledge, skills and behaviours outlined in the assessment plan for this standard.

Electrical and control and instrumentation maintenance technicians work covers electrical and control and instrumentation. For example, motors, single-phase and three-phase, power supplies, low voltage or high-voltage electrical distribution, programmable logic controllers, flow meters, heat exchangers and safety controls.

Electrical and mechanical maintenance technicians work covers electrical and mechanical. For example, motors, single-phase and three-phase, power supplies, and low voltage or high-voltage electrical distribution, actuators, fans, pumps, valves, gearboxes, and pipework.

Daily, they interact with other maintenance technicians, engineers, and support operatives. They also have contact with other internal and external stakeholders. This may include operations, managers, quality, research and development, and admin staff. They may also have contact with auditors, regulators, and customers undertaking site visits. They typically report to an experienced maintenance engineer.

They must maintain the safe and reliable operation of plant, equipment and systems. Work must comply with any industry specific regulations. Safety is a key priority. They must comply with health, safety, and environmental regulations and procedures, and sustainability practices. They must complete tasks in line with their company's procedures and timescales. They must also take account of wider business considerations.

This is a core and options apprenticeship. An apprentice must be trained and assessed against the core and one option. The options are:

- electrical and control and instrumentation technician
- electrical and mechanical maintenance technician

Entry Requirements

Apprentices will need to have achieved English and mathematics qualifications in line with the apprenticeship funding rules at the time of their programme commencing.

On-Programme Competence Evaluation

The apprentice will complete on and off-the-job training, developing their knowledge, skills & behaviours as stipulated within the apprenticeship standard.

Gateway Requirements

The employer, supported by the training provider must confirm that the apprentice is ready for EPA, before the EPA process can begin.

The employer, supported by the training provider must sign a declaration to agree the apprentice has met the required criteria as set out in the Engineering maintenance technician - dual discipline standard.

As part of the SIAS EPA service, we will check that all gateway evidence has been met before we begin the process of EPA.

End Point Assessment (EPA)

The assessment plan defines the following methods of assessment for the Engineering maintenance technician - dual discipline standard.

1

Observation
with Questions

- ✓ In the Observation with Questions, an end-point assessor observes the apprentice in their workplace and asks questions, giving the apprentices the opportunity to demonstrate the knowledge, skills and behaviours mapped to this assessment method.
- ✓ The apprentice completes their day-to-day duties under normal working conditions, and observations should take place in a realistic working environment that does not require special clearance.
- ✓ The End-Point Assessor will ask a minimum of 6 questions during natural stops between tasks and after completion of work.
- ✓ Duration: 5 hours, including questioning.

2

Interview
Underpinned by
a Portfolio of
Evidence

- ✓ In the Interview, an end-point assessor asks the apprentice questions, giving the apprentice the opportunity to demonstrate the knowledge, skills and behaviours mapped to this assessment method.
- ✓ The apprentice can refer to and illustrate their answers with evidence from their portfolio of evidence.
- ✓ The portfolio must have sufficient content to demonstrate the apprentices' application of the specific knowledge, skills, and behaviours of the job role.
- ✓ The end-point assessor must ask at least 10 questions.
- ✓ Duration: 90 minutes

3

Multiple-choice
Test

- ✓ In the multiple-choice test, the apprentice answers questions in a controlled and invigilated environment giving the apprentice the opportunity to demonstrate the knowledge and skills mapped to this assessment method.
- ✓ The test will consist of 50 multiple-choice questions.
- ✓ The test can be computer or paper based.
- ✓ Multiple-choice questions will have four options, including one correct answer.
- ✓ At least two questions will be scenario-based.
- ✓ Duration: 75 minutes.



Assessment Marking & Grading

SIAS will notify the employer of the outcome of each of the assessments.

Performance in the EPA determines the overall grade of:

- fail
- pass
- merit
- distinction

To achieve an overall pass, the apprentice must achieve at least a pass in all the assessment methods.

To achieve an overall merit, the apprentice must achieve a distinction in the observation with questions and a pass in the other two assessment methods.

To achieve an overall distinction, the apprentice must achieve a distinction in the observation with questions and interview underpinned by a portfolio of evidence, and a pass in the multiple-choice test.

SIAS will combine the results of each individual assessment method and provide an overall assessment grade of Fail, Pass or Distinction.



Apprenticeship Certification

The outcomes from the End-Point Assessment will be reviewed and a grade conferred by SIAS in accordance with SIAS QA procedures, which are available from SIAS. SIAS will notify the employer of the outcome of each of the assessments.

SIAS will apply for the apprentice's certificate, which will be sent by ESFA. The certificate confirms that the apprentice has passed the End-Point Assessment, has demonstrated full competency across the standard and is job-ready.



Guidance & Support

SIAS provide a range of resources which offer EPA guidance and support for the apprentice, the employer, and the college/training provider.

We aim help employers and colleges/training providers to support the on-going competence evaluation of the apprentices' knowledge, skills, and behaviour to ensure that your apprentice is confident for their EPA. All of our resources are comprehensively mapped to this apprenticeship standard.