Land-Based Service Engineering Technician

Industry:	Land-Based
Lantra code:	ST0243
Level:	3
Typical duration:	36-48 months
Funding band:	£21,000 maximum
EPA cost:	£1,750
Venue:	Workplace or Training Centre
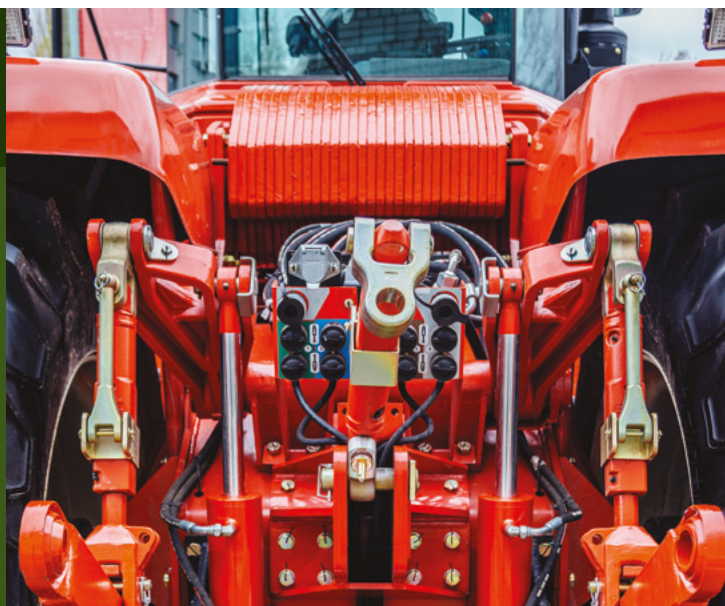
Introduction to this Apprenticeship Standard

Land-Based Service Engineering Technicians typically work on site utilising their own initiative in a customer facing role. They are often called upon to mentor and supervise junior colleagues and give advice to customers on machinery selection.

This requires a combination of skills, knowledge and behaviours, safe working and environmental practice capabilities covering; power units, power trains, fabrication, mechanical, electrical, electronic, hydraulic and pneumatic system applications. These will be used in the context of the machinery and equipment in the chosen industry sector.

The Technician will typically have an understanding of the interface between machine, biological systems and the working environment for example climate, soil, plant and animals. The nature of the industry will present technical challenges ranging from basic mechanics to the diagnosis and repair of complex mechanical, electronic and telemetry systems. These operations may take place in the employer's workplace or on the customer's site requiring flexible working hours as dictated by seasonal requirements.

Technicians may be called upon to advise customers and support work colleagues.

On Programme Apprentice Activity and Tracking

On programme assessment will allow Apprentices to develop their skills, improve their knowledge and monitor their own progress towards the End Point Assessment. It also allows employers and training providers to provide feedback to assist in the Apprentices development and monitor progress.

A portfolio must be completed prior to End Point Assessment to contain all this information:

- A log of progression: typically, the evidence will detail the development of knowledge, skills and behaviours

- Records of regular reviews with the employer and training provider conducted in the workplace to include personal behaviours and attitudes, strengths and weaknesses, practical and academic progress made and recommendations of areas for further learning

- A record of Off the Job Training – this is training that must occur for a minimum of 20% of the time the Apprentice is paid to work and is training delivered outside of their normal working duties – to develop a wider understanding of the industry.

Mandatory Qualifications

Employers set the selection criteria for their Apprentices.

Typically, this includes 4 GCSE's at Grade C or equivalent to include English, Mathematics and a Science subject. In addition, it is desirable that the candidate has an understanding of Information and Communication Technology.

Apprentices without Level 2 English and Maths will need to achieve Level 2 prior to taking the End Point Assessment.

Apprentices holding a Level 2 apprenticeship meeting the employer's criteria typically will be able to complete the Level 3 apprenticeship in a reduced timescale.

Gateway Criteria

The End Point Assessment will not be undertaken until the employer, in conjunction with the training provider is confident that the Apprentice has developed all the knowledge skills and behaviours defined in the Standard:

- Log of Progression completed, and presentation evidence collected and ready for submission
- Reviews conducted be the employer and training provider
- Presentation based around the Log of Progression
- Evidence of Off the Job Training – for a minimum of 20% of the time they are paid to work and is training delivered outside normal working duties.
- English and Maths Level 2 requirements have been met.

Gateway Declaration

The Lantra Awards Gateway Declaration form must be completed, signed and dated by the Employer, Apprentice and Training Provider and uploaded onto ACE360 as part of the EPA registration process prior to the EPA taking place.

End Point Assessment (EPA) – Demonstrating Learning

The final End Point Assessment consists of 3 components in the sequence as follows:

On-line Knowledge Assessment	The on-line knowledge test consists of a mix of 3 question types including multiple-choice, short answer and structured answer questions. The test will be 1 hour 30 minutes long and held under controlled conditions.
Practical Assessments	The practical assessment consists of 3 practical tasks conducted by an Assessor during a 6-hour day. Task related questions will be asked throughout the assessments.
Presentation & Professional Interview	A 15-minute industry-based presentation is required immediately prior to the professional interview – this will have been prepared by the Apprentice prior to Gateway. The professional interview is 60-minute structured in-depth discussion based on the Presentation and Log of Progression.

Apprenticeship Certification

Certificates are issued by the Education and Skills Funding Agency and sent direct to the Apprentice's employer.

Professional Recognition and Progression

Successful completion of this apprenticeship will be accepted by the Institution of Agricultural Engineers (IAgrE) as meeting the Engineering Councils requirements for Engineering Technician (EngTech) registration.

How Lantra can help

- We are specialists in supporting environmental and land-based industries
- We offer good value and cost-effective EPA
- Our Assessors meet and exceed the requirement of the assessment plan
- We offer our service across the whole of England
- We use ACE360 - an Apprenticeship Standards Management System - to manage EPA
- We are experts in the development and review of Apprenticeship Frameworks and National Occupational Standards
- With a 40-year history, delivering high quality, specialist support to the land-based industries is in our DNA.

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