



Draft Preview

DRAFT APPRENTICESHIP ASSESSMENT PLAN FOR THE LAND-BASED SERVICE ENGINEERING TECHNICIAN APPRENTICESHIP

ST0243/V2

APPRENTICESHIP REFERENCE NUMBER	LEVEL OF THIS APPRENTICESHIP	INTEGRATION
ST0243	3	None

Assessment Plan

Assessment details

Introduction

This Apprenticeship Assessment Plan (AAP) sets out the requirements for the assessment of the Level 3 land-based service engineering technician apprenticeship. It should be read in conjunction with the General Requirements for Apprenticeship Assessment. Where there is conflict between this AAP and the General Requirements, this AAP takes precedence. Assessment organisations must also comply with the relevant regulatory framework for apprenticeship assessment.

It is important that the assessment of apprentices is proportionate, valid, and provides reliable evidence of an apprentice's attainment of the relevant knowledge and skills. As such, assessment organisations must design assessments to ensure:

- employers have confidence that the apprentice has reached the expected performance standard
- apprentices are sufficiently secure in their knowledge and skills, so that they could demonstrate their competence in different contexts (for example, a different workplace)

Assessment Outcomes

The assessment outcomes group and summarise the knowledge and skills that must be demonstrated in assessments. All assessment outcomes must be assessed.

Knowledge and skills statements in **bold** are mandatory and must be assessed in every version of the assessment that is made available.

Assessment Outcome	Mapping
<p>AO1: Health, safety, environmental protection and sustainable working</p> <p>Applies safe systems of work, emergency procedures and mitigation measures to manage risks and protect people, property and the environment. Uses sustainable working practices and responds dynamically to changing hazards in land-based settings</p>	<p>K1*, K2, K3, K4</p> <p>S2, S28*, S29</p>
<p>AO2: Diagnostic investigation and technical problem-solving</p> <p>Gathers and interprets technical information, telematics and stakeholder input to establish diagnostic requirements. Applies structured diagnostic processes to replicate conditions, identify root causes, distinguish symptoms from faults and reach logical, evidence-based conclusions.</p>	<p>K6*, K7*, K8, K9*, K10*</p> <p>S1, S3*, S4*, S5, S6*, S11, S12, S13*, S15, S31</p>
<p>AO3: Repair, maintenance and reinstatement of land-based machinery and systems</p> <p>Performs complex mechanical, electrical, electronic, hydraulic, pneumatic and fluid-power repairs in line with manufacturer guidance and industry standards. Maintains, calibrates and reinstates systems and components to restore safe, reliable and compliant operation.</p>	<p>K13*, K14*, K15*, K16*, K17, K19*</p> <p>S7, S8*, S9, S10, S14*, S27*, S32</p>
<p>AO4: Machinery set-up, performance optimisation and technical advice</p> <p>Configures machinery and equipment for field conditions, validates performance and identifies factors affecting operation. Provides technical advice on machinery selection, compatibility and optimisation.</p>	<p>K11*, K20*, K21*, K22*</p> <p>S16, S17*, S18*, S19*</p>
<p>AO5: Technical reporting, customer interaction and professional collaboration</p> <p>Communicates technical information, compiles reports and supports colleagues through mentoring and collaboration. Manages customer interactions and handovers and maintains current technical knowledge.</p>	<p>K5*, K12*, K23*, K24*, K25, K18*</p> <p>S20*, S21*, S22*, S23*, S24*, S25*, S26, S30*</p>

(* Knowledge and skills statements which offer opportunities to develop functional English and maths are identified with an asterisk.

Assessment requirements

Assessment organisations must set apprenticeship assessments. Assessment organisations should consider how technology and digital tools can support innovation and efficiency.

Assessment organisations must design apprenticeship assessments to include at least one **simulation**.

Any additional assessment(s) must be selected from the following list of methods to ensure the assessment outcomes are met in full:

- **additional simulation**
- **observation**
- **professional discussion**
- **question and answer**
- **written test**
- **portfolio**

Apprentices may be assessed at any appropriate point during their apprenticeship programme.

Assessments may be designed to allow a centre or training provider to mark assessments. The assessment organisation is responsible for ensuring all assessments are sufficiently reliable and valid, and for the accuracy of any centre or training provider marking.

Performance descriptors

Performance descriptors describe the level of performance required to achieve a pass or distinction grade. Assessment organisations must design assessments that align with these descriptions.

Performance Category	Pass	Distinction
Applied Knowledge	Demonstrates sound application of land-based engineering knowledge, facts, procedures, and ideas across routine and non-routine tasks, completing them to an acceptable standard.	Applies a thorough understanding of land-based engineering knowledge, facts, procedures, and ideas to manage and resolve routine and non-routine tasks with discernment and skill.
Applied Skills	Identifies and applies appropriate land-based engineering skills, methods, and procedures to complete tasks and address challenges with a reasonable degree of autonomy and effectiveness.	Selects and integrates appropriate land-based engineering skills, methods, and procedures proactively and resourcefully to complete tasks and address challenges effectively and with minimal oversight.
Regulatory and Procedural Awareness	Applies legislation, regulation, and guidance relevant to land-based service engineering without error, with some depth of insight and adaptability.	Demonstrates refined judgement when applying legislation, regulation, and guidance relevant to land-based service engineering, confidently navigating nuanced issues in practice.
Communication and Collaboration	Participates effectively in land-based engineering team environments and demonstrates effective communication and customer service skills that support daily operations.	Communicates persuasively and adapts confidently to different audiences and team dynamics, taking initiative in delivering customer and colleague interactions within land-based engineering contexts.
Information Use and Decision Making	Accurately interprets and evaluates relevant land-based	Evaluates diverse and sometimes conflicting land-based engineering

	<p>engineering information from a variety of sources to support problem solving in mostly familiar but sometimes complex work contexts.</p>	<p>information sources with insight, drawing informed conclusions that improve task outcomes or efficiency.</p>
<p>Responsibility and Autonomy</p>	<p>Takes responsibility for initiating and completing land-based engineering tasks within set parameters and, where relevant, contributes to guiding or supporting others.</p>	<p>Pre-empts the need for land-based engineering tasks to be initiated, within set parameters, demonstrating accountability and responsiveness to emerging priorities or risks, and leading others to achieve team outcomes.</p>

Professional recognition

This apprenticeship aligns with the professional body recognition detailed in the occupational standard.

Please contact the relevant professional body for further information.

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