Skills England

Draft Preview

DRAFT APPRENTICESHIP ASSESSMENT PLAN FOR THE ENGINEERING FITTER APPRENTICESHIP

ST0432/V2

APPRENTICESHIP REFERENCE NUMBER	LEVEL OF THIS APPRENTICESHIP	INTEGRATION
ST0432	3	None

Assessment Plan

Assessment details

Introduction

This apprenticeship assessment plan (AAP) sets out the requirements for the assessment of the level 3 engineering fitter apprenticeship. It should be read in conjunction with the Requirements for Apprenticeship Assessment. Where there is conflict between this AAP and the Requirements for Apprenticeship Assessment, 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.

The assessment outcomes are created to summarise the content that is not fully assessed by the qualification or qualifications mandated in the occupational standard. The qualification or qualifications assess the knowledge and skills statements that are not mapped here.

Table 1: Assessment outcomes

Table 1 sets out the assessment outcomes and the mapped knowledge and skill statements. All assessment outcomes must be assessed. Knowledge and skills statements listed in the mandatory statements column must be assessed in every version of the assessment that is made available.

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

Assessment Outcome	Mapped statements	Mandatory statements
AO1: Health, safety and compliant engineering fitter operations Applies health, safety, environmental, quality, and organisational requirements when carrying out engineering fitting activities. Uses safe systems of work, complies with quality assurance processes, maintains records, completes handovers, and protects information in line with organisational and regulatory requirements.	K1*, K16*, K17*, K22 S1, S3*, S17*, S18*, S19	K1*, K17*, K22 S1, S3*, S17*, S19
AO2: Work planning, organisation and professional practice Plans, organises, and manages engineering fitting activities within the limits of own authority. Communicates effectively with others, prioritises work, follows reporting and escalation procedures, contributes to business objectives, and maintains ongoing professional development.	K3, K4*, K7*, K19*, K20* S4*, S5*, S6, S7*, S21*	K4* S4*, S5*, S6, S7*, S21*
AO3: Engineering fitting preparation and technical application Interprets engineering information and specifications to prepare engineering fitting activities. Applies engineering principles, selects appropriate materials, uses tools and measuring equipment, and uses digital technologies to support engineering tasks and decision-making.	K8*, K9*, K10*, K11*, K12*, K21* S8*, S9*, S10, S11, S12*, S22	K9*, K10*, K21* S8*, S9*, S11, S12*
AO4: Engineering fitting, assembly, inspection and testing Carries out engineering fitting and assembly activities to produce components and assemblies that support specification requirements. Uses fitting techniques to assemble and align components and applies inspection and testing methods to maintain conformity and functionality.	K13, K14* S13*, S14*, S15*	K14* S13*, S14*, S15*
AO5: Engineering fitting problem solving and continuous improvement Investigates faults, non-conformances, and performance issues associated with	K15*, K18* S16*, S20*	S16*, S20*

engineering fitting activities. Applies problem-solving and rectification techniques, identifies root causes, and contributes to continuous improvement activities that enhance quality, productivity, and operational performance.

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 **observation** or **simulation.**

Any additional assessment, or assessments, must be selected from the following list of methods, to ensure the assessment outcomes are met in full. Methods may be used more than once.:

- **additional observation**
- **additional simulation**
- **interview**
- **question and answer**
- **professional discussion**
- **portfolio**

Assessment organisations must have due regard to any relevant [frameworks, standards, guidance or other documents] that may be published by [industry regulators, professional bodies, and other representative groups].

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.

Table 2: performance descriptors

Table 2 sets out the performance descriptor categories and descriptors for pass and distinction. Assessment organisations must design assessments that align with these descriptions.

Performance Category	Pass	Distinction
Applied Knowledge	Demonstrates sound application of engineering fitting knowledge, processes, procedures, and techniques across routine and non-routine tasks, carried out in familiar but sometimes varied work contexts, applying calculations and technical principles within set parameters.	Demonstrates a thorough understanding of engineering fitting knowledge, processes, procedures, and techniques, confidently applied across routine and non-routine tasks in familiar but sometimes varied work contexts, showing depth of insight when operating within set parameters.
Applied Skills	Identifies and applies appropriate engineering fitting skills, methods, and procedures to complete routine and non-routine tasks, working with a reasonable degree of autonomy and effectiveness to address well-defined issues in familiar but sometimes varied work contexts.	Selects and integrates appropriate engineering fitting skills, methods, and procedures, working proactively and resourcefully with minimal oversight across routine and non-routine tasks, demonstrating refined judgement when navigating familiar but sometimes varied situations.
Regulatory and Procedural Awareness	Applies health, safety, environmental, and organisational procedures relevant to engineering fitting without error, with some depth of insight and adaptability, operating in familiar but sometimes varied	Applies health, safety, environmental, and organisational procedures relevant to engineering fitting with refined judgement, confidently navigating nuanced issues while maintaining compliance within set parameters in

	work contexts and within set parameters.	familiar but sometimes varied work contexts.
Communication and Collaboration	Participates effectively in engineering fitting team environments, using clear communication to support service delivery, coordinate activities, and share information across routine and non-routine tasks, working with a reasonable degree of autonomy.	Communicates clearly and confidently in engineering fitting team environments, adapting communication approaches to support effective service delivery, coordination, and improvement across routine and non-routine tasks, with minimal oversight.
Information Use and Decision Making	Accurately interprets and evaluates relevant engineering information from a variety of sources, supporting decisions and actions with sound judgement when completing routine and non-routine tasks in familiar but sometimes varied work contexts.	Evaluates engineering information from a variety of sources with insight, drawing well-reasoned conclusions that improve outcomes, and applying refined judgement across routine and non-routine tasks in familiar but sometimes varied contexts.
Responsibility and Autonomy	Takes responsibility for initiating and completing engineering fitting tasks within set parameters, recognising limits of responsibility and exercising a reasonable degree of autonomy in familiar	Takes responsibility for initiating and completing engineering fitting tasks within set parameters, working proactively and resourcefully with minimal oversight, confidently recognising boundaries of responsibility in familiar

	but sometimes varied work contexts.	but sometimes varied contexts.

Professional recognition

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

Additional qualification

The qualifications detailed in the occupational standard must be completed before the end of the apprenticeship.

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