



Draft Preview

DRAFT APPRENTICESHIP ASSESSMENT PLAN FOR THE METAL FABRICATOR APPRENTICESHIP

ST0607/V2

APPRENTICESHIP REFERENCE NUMBER	LEVEL OF THIS APPRENTICESHIP	INTEGRATION
ST0607	3	Mandatory qualification with apprenticeship assessment

Assessment Plan

Assessment details

Introduction

This Apprenticeship Assessment Plan (AAP) sets out the requirements for the assessment of the level 3 Metal fabricator 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.

The assessment outcomes have been 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.

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

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

Assessment Outcome	Mapping
A01 Work Planning, Preparation and Organisation Applies engineering principles, material knowledge, and organisational procedures to interpret requirements, plan work activities, prepare materials, and coordinate tasks with relevant roles to ensure fabrication work is set up for activity specifications.	K2*, K3*, K4, K7, K8, K10* S4*
A02 Material Processing and Fabrication Operations Uses appropriate tools, techniques, and calculations to mark out, cut, form, shape, and assemble materials, applying allowances and process selection factors to produce fabricated products to specification.	K11*, K12*, K13*, K14*, K15*, K17 S5*, S11*, S12*, S13*
A03 Joining and Welding Operations Prepares for and carries out manual or mechanised joining activities by setting up, checking, using and maintaining the required equipment. Applies and understands welding procedures and metallurgical principles to produce compliant joints.	K18*, K19, K20, K21*, K22*, K23* S14*, S15*, S16, S17*
A04 Inspection, Quality Assurance and Problem Resolution Applies inspection techniques, testing methods, and diagnostic approaches to check work against requirements, completing all specified documentation. Identifies defects, resolves issues within own responsibility, and escalates where necessary.	K5*, K16* S6*, S7*, S8*
A05 Health, Safety, Environmental and Workplace Practices Applies safe working practices, complies with health, safety, and environmental requirements. Restores work areas on completion of work activities returning any unused resources and consumables.	S1*, S2*, S9

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 an/at least one* **observation** or **simulation** and, if applicable, any relevant constraints.

*Delete as appropriate.

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

- **professional discussion**
- **interview**
- **observation**
- **simulation**
- **portfolio**
- **question and answers**

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. Assessment organisations must design assessments that align with these descriptions.

Performance Category	Pass	Distinction
Applied Knowledge	Applies sound application of factual, procedural, and theoretical metal fabrication knowledge in a broad range of varied work activities, performed in a variety of contexts, some of which are complex and non-routine.	Applies thorough application of factual, procedural, and theoretical metal fabrication knowledge in a broad range of varied work activities, performed in a variety of contexts, some of which are complex and non-routine.
Applied Skills	Selects and applies appropriate metal fabrication skills, methods, and procedures consistently in a broad range of varied work activities and a variety of contexts, some of which are complex and non-routine. Solves well defined problems, which may be complex and non-routine, with sound judgement.	Integrates using metal fabrication skills, methods, and procedures proactively and resourcefully in a broad range of varied work activities and a variety of contexts, some of which are complex and non-routine. Solves well defined problems, which may be complex and non-routine, that improve outcomes.
Regulatory and Procedural Awareness	Interprets and evaluates legislation, regulation, and guidance relevant to health, safety, and environmental requirements, with minimal noncritical errors, and with some depth of	Applies evaluation of legislation, regulation, and guidance relevant to health, safety, and environmental requirements, with minimal noncritical errors, and with greater depth of insight and adaptability.

	insight and adaptability.	
Communication and Collaboration	Participates effectively in metal fabrication team environments and applies effective communication approaches, supporting daily operations.	Communicates clearly and confidently in metal fabrication team environments, adapting communication approaches, supporting effective daily operations.
Information Use and Decision Making	Interprets and evaluates relevant metal fabrication information from a variety of sources, supporting decisions and actions with sound judgement.	Applies evaluation of relevant metal fabrication information from a variety of sources, with insight, supporting conclusions that improve outcomes.
Responsibility and Autonomy	Takes responsibility for initiating and completing metal fabrication tasks and procedures including, where relevant, taking responsibility for supervising or guiding others. Exercises responsibility, autonomy and judgement within limited parameters.	Takes responsibility for initiating and completing metal fabrication tasks and procedures with confident autonomy and sound judgement within limited parameters. Proactively manages own work, confidently, recognising when to refer issues beyond their responsibility.

Professional recognition

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

Additional qualification

The [qualification/qualifications] detailed in the occupational standard must be completed before the end of the apprenticeship.

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