



Australian Government

FBPSUG2017 Undertake simple fabrication

Release: 1

FBPSUG2017 Undertake simple fabrication

Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0.

Application

This unit of competency describes the skills and knowledge required to carry out fabrication-associated general jobbing work. It includes producing general fabricated components in plate, pipe and section or sheet.

The unit applies to individuals who work under supervision in the sugar milling industry.

All work must be carried out to comply with workplace procedures according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Sugar milling (SUG)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for assembly of parts	1.1 Identify fabrication requirements according to job specifications 1.2 Select appropriate fabrication method according to workplace procedures 1.3 Select, fit and use personal protective equipment according workplace safety procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Identify and collect required materials and equipment according to job specifications 1.5 Prepare materials for fabrication according to workplace procedures 1.6 Ensure the work area is ready for the fabrication job according to work place health and safety requirements
2. Assemble fabricated components	2.1 Position and clamp components according to job specifications and workplace safety procedures 2.2 Check component positioning against job specifications 2.3 Fix components using appropriate fixing method according to workplace procedures and health and safety requirements 2.4 Check assembly to confirm conformance to job specifications

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	- Identify routine fabrication requirements, including tolerances, dimensions and finishes, from written work instructions and technical drawings and sketches - Interpret standard operating procedures
Numeracy	- Measure parts to be joined to specified tolerances and dimensions - Check for conformance to specification
Navigate the world of work	- Apply workplace procedures relevant to own role - Understand main tasks, responsibilities and boundaries of own role
Get the work done	- Recognise and make routine decisions to respond to non-conforming components - Identify and correct routine fabrication problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPSUG2017 Undertake simple fabrication	FDFSUG231A Undertake simple fabrication	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>

Assessment Requirements for FBPSUG2017 Undertake simple fabrication

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has undertaken simple fabrication in line with workplace contexts and demonstrated each of the following points at least once:

- identified fabrication requirements and methods
- identified and obtained components, materials, equipment and measuring and levelling devices
- prepared materials for fabrication
- checked accuracy of component positioning
- identified and corrected non-conforming component assembly
- used squares, levels and rules to measure materials and fabricated components
- prepared and joined components
- applied safety procedures to prepare work area and materials and complete the work.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- purpose and principles of fabrication, including methods used to assemble and fix components and the effects of distortion on fabricated components
- use of equipment to position components to meet assembly requirements
- use of rules, tapes, squares and levels relevant for general metal fabrication
- methods used to prepare ends for joining
- appropriate joining methods, including welding and bolt/screw fixing
- typical defects that can occur for given assembly and fabrication methods
- options for correcting out-of-tolerance components and assemblies
- key health and safety requirements for general metal fabrication:
 - safe work procedures

- hazards and risk assessment
- manual handling procedures
- correct use of personal protective equipment (PPE).

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a sugar milling workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - fabrication equipment
 - PPE
 - rules, tapes, squares and levels
 - components to be fabricated
 - drawings, sketches and specifications as required for task
- specifications:
 - operating procedures and related advice on equipment/instrumentation operation
 - health and safety policies and procedures.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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