



Australian Government

FBPBPG2012 Operate a packaging process

Release: 1

FBPBPG2012 Operate a packaging process

Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to set up, operate, adjust and shut down a packaging process or sub-system.

This unit applies to individuals who work under general supervision and operate and monitor a packaging process and associated equipment in a processing packaging environment. A packaging process may relate to primary and secondary packaging activities. It typically requires the operation of a series of related items of equipment to achieve the required outcome.

The unit only applies in a processing packaging environment where no other specific packaging unit is available. It should not be delivered in a qualification that includes another specific packaging unit.

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

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

Pre-requisite Unit

Nil

Unit Sector

Bottling and Packaging (BPG)

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>

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1. Prepare for work in processing area	1.1 Interpret work instructions and clarify where required 1.2 Identify health and safety hazards and inform supervisor 1.3 Wear appropriate personal protective equipment (PPE) and ensure correct fit 1.4 Confirm that packaging components and consumables, materials and items to be packaged are available to meet operating requirements 1.5 Identify and confirm equipment is clean and not locked out
2. Prepare the equipment and process for operation	2.1 Fit and adjust machine components and related attachments 2.2 Confirm operating parameters to meet safety and production requirements 2.3 Load or position materials, product and packaging components and consumables according to safety and operating requirements 2.4 Check and adjust equipment performance according to operating and job requirements 2.5 Carry out pre-start checks according to operator instructions
3. Operate and monitor the process	3.1 Start, operate and monitor the process for variation in operating conditions according to safe work procedures 3.2 Monitor the process to confirm that specifications are met 3.3 Identify, adjust and report out-of-specification equipment, product or process outcomes according to workplace requirements 3.4 Follow and apply workplace cleaning procedures and environmental requirements
4. Shut down the process	4.1 Identify the appropriate shutdown procedure 4.2 Shut the process down safely according to operating procedures 4.3 Report maintenance requirements according to workplace procedures 4.4 Maintain workplace records according to workplace procedures

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	- Interpret workplace and standard operating procedures relevant to work task - Interpret production requirements
Writing	Record processing data using digital and/or paper-based formats
Oral communication	Ask questions to clarify understanding or seek further information
Numeracy	- Monitor and interpret production and process control indicators and data - Monitor supply and flow of materials to and from the process

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPBP2012 Operate a packaging process	FBPOP2023 Operate a packaging process	Unit sector code updated Minor changes to Performance Criteria to clarify task Foundation Skills refined Performance Evidence clarified Minor changes to Knowledge Evidence and Assessment Conditions	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>

Assessment Requirements for FBPBPG2012 Operate a packaging process

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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 operated a packaging process to package at least one batch of products to specification, including:

- starting, operating, monitoring and adjusting packaging equipment to achieve required outcomes, including:
 - packaging components/consumables and/or product
 - monitoring control points as required to confirm process remains within specification
- following safe work procedures
- addressing routine processing issues.

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 basic principles of the packaging process, including:
 - the purpose and characteristics required of packaging materials used
 - the principles of the packaging process used (where methods involve vacuum or map packaging, this includes an understanding of the effect of modified atmosphere on product shelf-life)
- product and packaging coding requirements and related legal requirements, including product weight
- basic operating principles of equipment, including:
 - main equipment components
 - status and purpose of guards
 - equipment operating capacities and applications
 - the purpose and location of sensors and related feedback instrumentation
- services required and action to take if services are not available

- the flow of processes supplying the packaging process, and the effect of outputs on downstream processes
- quality characteristics required of the packaging process, including seal integrity requirements
- effect of variation in inputs, including packaging components/consumables, materials and/or services, on process performance
- operating requirements and parameters, and corrective action required where operation is outside specified operating parameters, including restart procedures following a crash or jam-up
- typical equipment faults and related causes, including signs and symptoms of faulty equipment, and early warning signs of potential problems
- methods used to monitor the packaging process, including visual inspecting, and measuring and testing as required by the process
- inspection or test points (control points) in the process and the related procedures and recording requirements (including weights, codes, placement, glue temperatures, alignment and appearance, configuration and seal integrity)
- contamination/cross-contamination and safety risks related to stages in the packaging process, and related control measures
- common causes of variation, and corrective action required
- health and safety hazards and controls relevant to the packaging process
- requirements of different shutdowns as appropriate to the packaging process, including:
 - emergency and routine shutdowns and procedures to follow in the event of a power outage
 - conducting basic equipment referencing where required
- isolation, lock-out and tag-out procedures and responsibilities
- procedures and responsibility for reporting production and performance information
- environmental issues and controls relevant to the process, including waste/rework collection and handling procedures related to the process
- basic operating principles of process control, including the relationship between control panels and systems and the physical equipment
- cleaning and sanitisation procedures for packaging equipment
- recording requirements for traceability of product.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a packaging workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - packaging equipment and related services
 - personal protective equipment
 - materials to be packaged, and packaging components/consumables

- cleaning materials and equipment
- specifications:
 - work procedures, including advice on safe work practices, quality and environmental requirements
 - information on equipment capacity and operating parameters
 - specifications, control points and operating parameters
 - recording requirements.

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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