Modification history

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 5.0

FBPBPG2XX5	Operate and monitor a high speed wrapping process
Application	This unit of competency describes the skills and knowledge required to set up, operate, monitor, adjust and shut down a primary packaging process using high speed wrapping equipment to enclose product in a sealed, airtight film or cello package. This unit typically applies to the worker responsible for applying basic operating principles to the operation and monitoring of a high speed wrapping process and associated equipment. All work must be carried out to comply with workplace procedures, in accordance with State/Territory work health and safety, and food 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.
Prerequisite Unit	Nil
Unit Sector	Bottling and packaging (BPG)

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Prepare for work in processing area	1.1 Confirm work instructions and clarify where required 1.2 Identify health and safety hazards and address risks 1.3 Wear appropriate personal protective equipment and ensure correct fit 1.4 Confirm that materials and packaging components and consumables are available to meet food safety and production requirements 1.5 Identify and confirm equipment is clean, according to food safety guidelines, and not locked out
2. Prepare the wrapping equipment and process for operation	2.1 Carry out pre-start checks on process and related equipment to confirm readiness for use 2.2 Load and position packaging components and consumables according to operating procedures 2.3 Set parameters to meet safety and packaging requirements
3. Operate and monitor equipment	3.1 Start, operate and monitor the process for variation in operating conditions 3.2 Monitor packaging to ensure correct content, weights, pack alignment, codes and seal integrity meets specifications 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 dispose of waste following environmental requirements
4. Shut down the wrapping process	4.1 Identify the appropriate shutdown procedure and implement 4.2 Report maintenance requirements according to workplace procedures 4.3 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
Numeracy	• Monitor and interpret production and process control indicators and data, including weight (g, kg) • 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
FBPBPG3XX5 Operate and monitor a high speed wrapping process	FBPOPR2022 Operate a high speed wrapping process	Updated unit code and title Minor changes to Performance Criteria to clarify task Foundation skills refined Performance Evidence clarified Minor changes to Knowledge Evidence to clarify requirements and Assessment Conditions	Equivalent unit

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

TITLE	Assessment requirements for FBPBPG3XX5 Operate and monitor a high speed wrapping process

Performance Evidence

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

There must be evidence that the individual has operated a high speed wrapping process on at least one occasion, including:
- starting, operating, monitoring and adjusting wrapping equipment to achieve required outcomes, including monitoring control points and conducting inspections as required to confirm process remains within specification, including:
  - product alignment
  - product weights
  - packaging quality
  - packaging and product alignment
  - seal integrity, including testing packaging integrity
  - codes, correct content and clarity/legibility
- following safe work procedures
- taking corrective action in response to typical faults and inconsistencies including misaligned seals.

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 wrapping, including the properties and requirements of packaging materials used, coding requirements and product weight
- basic operating principles of wrapping equipment, including:
  - main equipment components (conveyors and related guides and alignment adjustments)
  - purpose and location of electronic eyes and sensors
  - status and purpose of guards
  - equipment operating capacities and applications, and services required for operation of wrapping equipment used in the workplace
- the flow of product to the wrapping process and the effect of outputs on downstream processes
- good manufacturing practices (GMP) relevant to work task
- quality characteristics and requirements of product to be wrapped, wrapping materials and the final wrapped product
- methods used to monitor the process, including inspecting, measuring and testing as required by the process
- inspection or test points (control points) in the process and the related procedures and recording requirements
- operating requirements and parameters and corrective action required where operation is outside specified operating parameters
- typical equipment faults and related causes, including signs and symptoms of faulty equipment and early warning signs of potential problems
- common causes of variation and corrective action required, including the effect of variation in both product and packaging components/consumables on performance
- contamination/cross contamination and food safety hazards and risks associated with the wrapping process and related control measures
- health and safety hazards and controls relevant to the high speed wrapping process
- requirements of different shutdowns as appropriate to the process and workplace production requirements, including emergency and routine shutdowns, and procedures to follow in the event of a power outage
- 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 filling and wrapping 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

Knowledge Evidence
• cleaning and sanitation procedures for a high speed wrapping equipment • recording requirements for traceability of product.

Assessment Conditions

Assessment of skills must take place under the following conditions:
• physical conditions:
   • a food processing packing workplace or an environment that accurately represents workplace conditions
• resources, equipment and materials:
   • high speed wrapping machine and related equipment and services
   • personal protective clothing and equipment
   • materials to be wrapped, cello/film and other packaging components/consumables
   • documentation
   • cleaning materials and equipment
• specifications:
   • work procedures, including advice on safe work practices, food safety, quality and environmental requirements, stock flow systems and production/packaging schedules
   • 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	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4