



**Australian Government**

# **FBPOPR2022 Operate a high speed wrapping process**

**Release: 1**

## FBPOPR2022 Operate a high speed wrapping process

### Modification History

| Release   | Comments                                                                                      |
|-----------|-----------------------------------------------------------------------------------------------|
| Release 1 | This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 1.0 |

### Application

This unit of competency describes the skills and knowledge required to set up, operate, 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 applies to individuals who work under general supervision and exercise limited autonomy in a food processing packing environment. It 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.

### Pre-requisite Unit

Nil

### Unit Sector

Operational (OPR)

### 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 work in processing area           | 1.1 Read or listen to work instructions from supervisor and clarify where needed<br>1.2 Identify work health and safety hazards and tell supervisor |

| Elements                                                    | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>            | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                  |
|                                                             | 1.3 Wear appropriate personal protective equipment and ensure correct fit<br>1.4 Confirm that materials and packaging components and consumables are available to meet food safety and production requirements                                                                                                                                                                          |
| 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<br>2.2 Load and position packaging components and consumables according to operating procedures<br>2.3 Set parameters to meet safety and packaging requirements                                                                                                                            |
| 3. Operate and monitor the wrapping process                 | 3.1 Start, operate and monitor the process for variation in operating conditions<br>3.2 Monitor packaging quality and seal integrity to confirm that specifications are met<br>3.3 Identify, rectify and report out-of-specification equipment, product or process outcomes according to workplace requirements<br>3.4 Follow and apply workplace cleaning and environmental procedures |
| 4. Shut down the wrapping process                           | 4.1 Identify the appropriate shutdown procedure and implement<br>4.2 Report maintenance requirements according to workplace procedures<br>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 | <ul style="list-style-type: none"> <li>Interpret workplace and standard operating procedures relevant to job role</li> <li>Interpret production requirements</li> </ul> |

| Skill                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Writing                    | <ul style="list-style-type: none"> <li>Record operating, routine maintenance and shutdown information on paper-based and electronic media</li> </ul>                                                                                                                                                                                                                                                                         |
| Numeracy                   | <ul style="list-style-type: none"> <li>Monitor and interpret production and process control indicators and data</li> <li>Monitor supply and flow of materials to and from the process</li> </ul>                                                                                                                                                                                                                             |
| Navigate the world of work | <ul style="list-style-type: none"> <li>Apply workplace procedures to own role and responsibilities</li> <li>Identify skills, knowledge and experience required for performing own role in the workplace</li> <li>Ask questions to clarify understanding or seek further information</li> </ul>                                                                                                                               |
| Interact with others       | <ul style="list-style-type: none"> <li>Communicate and report operational and safety information to relevant personnel</li> <li>Use modes of communication suitable to purpose to confirm understanding when conducting operational start-up and shutdown procedures</li> </ul>                                                                                                                                              |
| Get the work done          | <ul style="list-style-type: none"> <li>Access and interpret process control panels and system</li> <li>Maintain a clean and hazard-free work area</li> <li>Identify out-of-specification standards and maintain quality specifications</li> <li>Confirm equipment status and condition</li> <li>Interpret process and equipment information to monitor process and respond to abnormal performance and variations</li> </ul> |

## Unit Mapping Information

| Code and title current version                      | Code and title previous version                     | Comments                                        | Equivalence status |
|-----------------------------------------------------|-----------------------------------------------------|-------------------------------------------------|--------------------|
| FBPOPR2022<br>Operate a high speed wrapping process | FDFOP2022A<br>Operate a high speed wrapping process | Updated to meet Standards for Training Packages | 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>

# Assessment Requirements for FBPOPR2022 Operate a high speed wrapping process

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## 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:

- accessing workplace information to identify wrapping requirements
- selecting, fitting and using personal protective equipment
- confirming supply of necessary packaging materials/film/cello and product, including inspecting the quality of both product and wrapping material to confirm that standards are met
- conducting pre-start checks, including:
  - inspecting equipment and conveyor belt condition to identify any signs of wear
  - selecting appropriate settings and/or related parameters to suit product type
  - cancelling isolation or lock-outs as required
  - confirming that equipment is clean and correctly configured for packaging requirements
  - loading/threading packaging components/consumables
  - positioning electronic eyes and sensors correctly
  - ensuring all safety guards are in place and operational
  - confirming coders are correctly set for date and product requirements
- 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

- monitoring flow of product to and from the process
- taking corrective action in response to out-of-specification results
- responding to and/or reporting equipment failure within level of responsibility
- locating emergency stop functions on equipment
- following isolation and lock-out/tag-out procedures as required to take high speed wrapping process and related equipment off-line in preparation for cleaning and/or maintenance within level of responsibility
- preparing wrapping equipment and conveyors for cleaning
- completing workplace records as required
- maintaining work area to meet housekeeping standards
- using process control systems according to enterprise procedures
- cleaning and sanitising equipment according to enterprise procedures
- following relevant work health and safety procedures.

## 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 related legal requirements (for example, product weight)
- basic operating principles of wrapping equipment, including:
  - main equipment components (for example, 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
- 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/food safety hazards and risks associated with the wrapping process and related control measures

- work 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
- cleaning and sanitation procedures for a high speed wrapping process.

## Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
  - a workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - personal protective clothing and equipment
  - high speed wrapping machine and related equipment and services
  - materials to be wrapped, cello/film and other packaging components/consumables
  - documentation
  - cleaning procedures, 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 and procedures.

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

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