



**Australian Government**

# **FBPOPR2004 Operate a beer packaging process**

**Release: 1**

## FBPOPR2004 Operate a beer packaging 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 beer packaging process.

This unit applies to individuals who work under general supervision and exercise limited autonomy in a food processing environment. It typically applies to the production worker responsible for applying basic operating principles to the operation and monitoring of a beer packaging 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 the packaging process for operation   | 1.1 Check packaging requirements according to workplace procedures and food safety requirements<br>1.2 Confirm availability of required materials according to job specifications |

| 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 Confirm availability of services according to job specifications<br>1.4 Wear appropriate personal protective clothing and ensure correct fit<br>1.5 Conduct pre-start checks of packaging equipment, including checking that hygiene and sanitation standards are met and all safety guards are in place<br>1.6 Set the packaging process to meet production requirements                                                                                                                                                 |
| 2. Operate and monitor the packaging process     | 2.1 Start up the packaging process according to workplace procedures and safety requirements<br>2.2 Monitor equipment and control points to confirm performance is maintained within specification<br>2.3 Confirm packages meet specifications<br>2.4 Maintain stock flow to and from packer process within production requirements<br>2.5 Identify, rectify and/or report out-of-specification product, process and equipment performance<br>2.6 Complete size and product changeovers in accordance with batch instructions |
| 3. Shut down packaging process                   | 3.1 Shut down the system safely according to workplace procedures<br>3.2 Clean and maintain equipment to meet the cleaning schedule and procedural requirements<br>3.3 Collect, treat and dispose of or recycle waste generated by both the process and cleaning procedures<br>3.4 Record workplace information in the appropriate format according to workplace requirements                                                                                                                                                 |

## 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 |
|-------|-------------|
|-------|-------------|

| 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>                                                                                                                                                                                                                                                      |
| 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 |
|------------------------------------------------|------------------------------------------------|-------------------------------------------------|--------------------|
| FBPOPR2004<br>Operate a beer packaging process | FDFOP2073A<br>Operate a beer packaging 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 FBPOPR2004 Operate a beer packaging 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 set up, operated, adjusted and shut down a beer packaging process on at least one occasion, including:

- accessing workplace information to identify production requirements for the packaging process
- selecting, fitting and using personal protective clothing and equipment
- interpreting the production schedule
- confirming supply of necessary materials and services
- confirming packaging equipment status and condition
- conducting pre-start checks, including:
  - inspecting equipment condition to identify any signs of wear
  - selecting appropriate settings and/or related parameters
  - cancelling isolation or lock-outs
  - confirming that equipment is clean and correctly configured for processing requirements
  - positioning sensors and controls correctly
  - ensuring any scheduled maintenance has been carried out
  - confirming that all safety guards are in place and operational
- setting up and starting up the process, including the use of process control systems, and adjusting the packagers to product specifications
- monitoring the packaging process and equipment operation to identify out-of-specification results or non-compliance, including:
  - glue seals on cartons
  - incorrect shape
  - materials faults
  - incomplete shrink wrapping
  - equipment faults

- services faults
- monitoring supply and flow of materials to and from the packer
- taking corrective action in response to out-of-specification results or non-compliance
- safely accessing, isolating and clearing jams in packaging equipment
- reporting and/or recording corrective action
- replenishing the packing process with raw materials, ingredients and packaging consumables
- verifying that output meets specifications
- implementing size/product changeovers
- sorting, collecting, treating, recycling or disposing of waste
- shutting down packaging equipment in response to emergency situation
- shutting down packaging equipment in response to routine shutdown requirements
- preparing packaging equipment for cleaning
- maintaining work area to meet housekeeping standards
- recording workplace information
- cleaning and sanitising equipment according to workplace 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 the packaging process
- relationship between the packaging process, fillers, labellers, other packaging equipment and palletisers, including stages that occur during filling and packaging
- requirements of the packaging process and types of packers
- microbiological considerations in filling and packaging beer
- effect of packaging on the end product
- process specifications, procedures and operating parameters of the beer packaging process
- significance and methods of monitoring control points within the packaging process
- beer packaging equipment and instrumentation components, purpose and operation
- services used in the packaging process
- common causes of variation in equipment and corrective action required
- work health and safety hazards and controls relevant to the beer packaging process
- procedures and responsibility for reporting problems
- shutdown and cleaning requirements associated with changeovers, and types of shutdowns
- waste handling requirements and procedures relevant to the beer packaging process
- recording requirements and procedures, including down time
- cleaning and sanitation procedures for the beer packaging 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
  - beer packaging equipment
  - services
  - stock required for the beer packaging process
  - stock flow system
  - related work areas and communication system
  - relevant work health and safety clothing and equipment
- specifications:
  - work procedures, including advice on safe work practices, food safety and environmental requirements
  - production schedule and batch instructions
  - material safety data sheets, where appropriate
  - specifications, control points and filling parameters
  - routine preventative maintenance schedule
  - cleaning schedule
  - sampling and testing schedules
  - documentation and 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.

## Links

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