



Australian Government

FBPOPR3005 Operate interrelated processes in a production system

Release: 1

FBPOPR3005 Operate interrelated processes in a production system

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 set up, operate, adjust and monitor interrelated processes in a production system.

This unit of competency describes the skills and knowledge required to set up, operate, adjust and monitor interrelated processes in a production system. A production system typically involves a series of interrelated processes that must be coordinated and concurrently operated to produce the required outcome.

This unit applies to individuals who have skills and knowledge the operational requirements of the production system for the industry in which it is applied. Individuals apply higher level planning and problem-solving skills, work under broad direction and take responsibility for their own work.

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

Operational (OPR)

Elements and Performance Criteria

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<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 the production system for operation	1.1 Confirm availability of equipment, materials and services according to workplace procedures 1.2 Identify and confirm cleaning requirements and equipment status 1.3 Select and fit personal protective equipment according to job requirements 1.4 Enter processing/operating parameters and select or adjust machine settings according to workplace procedures 1.5 Load or position materials, ingredients and/or product according to workplace procedures 1.6 Conduct pre-start checks, adjust equipment performance and confirm equipment is ready and safe to operate
2. Operate and monitor the production system	2.1 Start up and operate and monitor the system and equipment for variation in operating conditions 2.2 Identify, rectify and report out-of-specification product and process outcomes to maintain the process within specification 2.3 Maintain the work area and report maintenance requirements according to workplace procedures 2.4 Conduct work according to workplace and environmental procedures
3. Hand over production system operation	3.1 Maintain records according to workplace procedures 3.2 Conduct handover according to workplace procedures 3.3 Confirm process operators are properly informed of system and related equipment status at completion of handover
4. Shut down the production system	4.1 Identify the appropriate shutdown procedure 4.2 Shut down the system according to workplace procedures 4.3 Identify and report maintenance requirements
5. Contribute to continuous improvement of the production system	5.1 Review system performance against output plan/targets according to workplace procedures 5.2 Identify and investigate opportunities for system improvement 5.3 Develop and implement proposals for improvement within workplace planning arrangements, authority levels and 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 job role - Interpret production requirements
Writing	Record operating, routine maintenance and shutdown information on paper-based and electronic media
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
FBPOPR3005 Operate interrelated processes in a production system	FDFOP3003A Operate interrelated processes in a production system	Updated to meet Standards for Training Packages Minor changes to Performance Criteria to clarify intent	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 FBPOPR3005 Operate interrelated processes in a production system

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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 safely and effectively operated interrelated processes in a production system, on at least one occasion, including:

- conducting pre-start checks on production system components
- confirming machine set-up is ready to achieve production requirements
- applying safe work practices and identify hazards and controls
- selecting and fitting personal protective equipment (PPE)
- starting, operating, monitoring and adjusting process equipment throughout the system to achieve required quality outcomes
- identifying system problems and taking corrective action
- conducting operational handovers
- shutting down system
- identifying and investigating opportunities for operational improvements within areas of responsibility
- completing workplace records
- shutting down equipment according to workplace 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 production system, including the system process flow, the interrelationships of each process to identify the impact of variation on related processes, and optimisation options
- basic operating principles of equipment and related accessories used by the system, including equipment adjustment points, status and purpose of guards, and range and location/alignment requirements of sensors and related feedback instruments

- operating capacities of equipment used in the system, including different types of equipment and/or components by processing/packaging operations
- related systems and responsibilities for interaction, including related production systems, services supply, packaging/warehousing, maintenance, laboratory/quality assurance and planning and scheduling
- product characteristics and common types of variation in materials and/or ingredients used, including the effect of variation on each stage of the system and scope to adjust or correct
- typical production related problems, including equipment faults, common causes and warning signs, incorrect or poor supply of materials, incorrect settings and poor operator control
- relevant procedures, specifications and operating parameters for the system and the individual processes
- isolation, lock-out and tag out procedures and responsibilities
- hazards, risks, controls and methods for monitoring processes within the system, including health and safety in the workplace, food safety, quality and environmental hazards and risks
- workplace system and approach to equipment maintenance
- process improvement procedures and related consultative arrangements
- troubleshooting procedures and problem-solving techniques
- communication responsibilities to inform related work areas/support functions and other shifts of operational status and production issues
- procedures and responsibility for reporting production and performance information.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a workplace setting or an environment that accurately represents a real workplace
- resources, equipment and materials:
 - PPE
 - production system equipment and related accessories and services
 - materials/consumables required by the process
 - communication and recording systems and procedures
- specifications:
 - production schedule and related advice on system requirements
 - information on equipment capacity and operating parameters.

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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