



Australian Government

FBPOPR3020 Plan, conduct and monitor equipment maintenance

Release: 1

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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 plan, conduct and monitor the maintenance of processing or production equipment.

The unit applies to individuals who work in food processing operations who have responsibility for overseeing the general maintenance of equipment.

All work must be carried out to comply with workplace procedures according to state/territory health and safety regulations, 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

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. Identify maintenance requirements according to workplace procedures	1.1 Determine whether production equipment will be maintained in-house or by contractor 1.2 Source and assess advice on equipment maintenance requirements according to manufacturers' specifications 1.3 Assess and prioritise special maintenance requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Plan maintenance according to workplace procedures	2.1 Identify and secure resources required to carry out maintenance 2.2 Develop a maintenance schedule to provide reliable equipment performance with minimal disruption to production 2.3 Ensure the maintenance schedule takes account of production schedules, equipment capability, special maintenance requirements, efficient resource utilisation, food safety, workplace health and safety requirements, and workplace environmental guidelines 2.4 Record the maintenance schedule in the appropriate workplace format 2.5 Consult personnel affected by the maintenance program, and advise of maintenance process
3. Carry out maintenance	3.1 Wear appropriate protective clothing and equipment 3.2 Inspect equipment to identify signs of wear 3.3 Investigate and assess the nature of maintenance requirement 3.4 Carry out routine maintenance on equipment, or oversee contractor access to perform maintenance 3.5 Record and report maintenance activities in line with workplace procedures
4. Monitor implementation of the maintenance schedule	4.1 Monitor progress of maintenance to identify variance to schedule 4.2 Identify, assess and address unplanned events that could affect the schedule 4.3 Identify and communicate potential failure to meet maintenance deadlines to relevant personnel 4.4 Adjust maintenance schedule to meet 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
Learning	Take responsibility for planning, sequencing and prioritising tasks

Skill	Description
	• Apply systematic and analytical decision-making processes for routine and non-routine situations
Reading	• Read and interpret manuals, specifications, and other documentation from a variety of sources, and consolidate information to determine maintenance requirements
Writing	• Record maintenance data using digital and/or paper-based formats
Numeracy	• Analyse and consolidate test results and data from a range of sources to assist with determining maintenance requirements

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPOPR3020 Plan, conduct and monitor equipment maintenance	Not applicable	The unit has been created to address a skill or task required by industry that is not covered by an existing unit	Newly created

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 FBPOPR3020 Plan, conduct and monitor equipment maintenance

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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 planned, conducted and monitored maintenance for the equipment on at least one processing line, including:

- applying safe work practices
- developing a maintenance schedule to suit workplace processing requirements.

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:

- maintenance approaches and differences between reactive, preventative and proactive maintenance models, including:
 - reliability centred maintenance (RCM)
 - total productive maintenance (TCM)
- organisational systems, processes and responsibilities for:
 - collecting equipment condition information
 - analysing information
 - carrying out required servicing and maintenance
- sources of data on equipment performance and maintenance requirements, related recording systems and data analysis tools, including:
 - manufacturer specifications
 - equipment capability data
 - condition monitoring data
 - equipment operation/performance reports and log sheets
 - workplace environmental guidelines
- maintenance requirements and scheduling processes, including:
 - production process

- impact of scheduling on production
- maintenance activities
- maintenance priorities
- effect on related activities, including purchasing and contract management
- factors that influence the reliability of equipment, including:
 - equipment capability
 - equipment/process design
 - operating conditions and practices
- methods used to measure effectiveness of maintenance, including:
 - plant availability
 - cost of maintenance
 - downtime
 - alternate resource utilisation
- health and safety, environmental and food safety requirements and responsibilities associated with maintenance activities
- relevant staff to be consulted/notified of maintenance schedule and related activities
- conditions that can affect achievement of the maintenance schedule, including:
 - unusual or unplanned conditions
 - related options for response to equipment breakdowns/emergencies.

Assessment Conditions

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

- physical conditions:
 - a workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - processing equipment
 - personal protective clothing and equipment
- specifications:
 - work procedures, including advice on safe work practices, quality and environmental requirements
 - information on equipment capacity and operating parameters
 - maintenance scheduling and recording requirements
- relationships:
 - operational staff.

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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