



Australian Government

AHCMOM501 Manage machinery and equipment

Release: 2

AHCMOM501 Manage machinery and equipment

Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to coordinate, monitor and review the operation and maintenance of machinery and equipment for an enterprise.

This unit applies to individuals who apply specialised skills and knowledge to the management of machinery and equipment, and take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information and analyse, design and communicate solutions to sometimes complex problems.

No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Machinery operation and maintenance (MOM)

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. Evaluate machinery and equipment usage	1.1 Review and match operations of available machinery and equipment to production processes 1.2 Calculate operation and servicing costs of machinery and equipment to determine total purchasing price

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 Estimate productivity returns from machinery and equipment to identify benefit to production processes 1.4 Monitor machinery and equipment replacement cycles to identify improvement options and maximise the life cycle of components 1.5 Acquire machinery and equipment through appropriate procurement options
2. Coordinate machinery and equipment maintenance	2.1 Identify and schedule maintenance and service cycles to ensure servicing is according to manufacturer specifications and production processes 2.2 Cost and arrange storing and housing of machinery and equipment 2.3 Document and record operational and service history 2.4 Identify and assess risks and hazards to health and safety in the workplace and review and record risk controls 2.5 Provide, maintain and store suitable personal protective equipment according to workplace health and safety procedures 2.6 Develop and monitor repair and maintenance routines according to manufacturer specifications and workplace health and safety procedures
3. Monitor operation	3.1 Make available for use, maintain and dispose of consumables and operational support materials according to workplace procedures 3.2 Monitor adherence to health and safety in the workplace and environmental practices according to workplace procedures 3.3 Ensure operational procedures are clear, documented and followed according to manufacturer specifications and workplace procedures 3.4 Provide operators with instructions and supervision according to health and safety standards and efficient workplace practices

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
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Skill	Description
Reading	Identify and interpret information regarding maintenance requirements for machinery and equipment
Writing	Document plans and prepare written reports for workplace personnel regarding machinery and equipment operation
Oral communication	- Initiate discussions with staff, contractors and suppliers, using clear language to communicate machinery and equipment maintenance schedules and workplace procedures - Use clear communications with management to discuss estimates, servicing costs and budget
Numeracy	Estimate and calculate resources, machinery and equipment costs and servicing costs
Navigate the world of work	- Identify and describe own workplace requirements associated with own role and area of responsibility - Monitor self and others adherence to workplace requirements including safety requirements
Interact with others	- Use appropriate language and communication skills to disseminate information within work team - Provide instruction, supervision and mentoring to the work team

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCMOM501 Manage machinery and equipment Release 2	AHCMOM501 Manage machinery and equipment Release 1	Minor changes to performance criteria and foundation skills	Equivalent unit

Links

Companion Volumes, including Implementation Guides are available at VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCMOM501 Manage machinery and equipment

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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 individual has coordinated, monitored and reviewed the operation and maintenance of machinery and equipment for an enterprise and has demonstrated the following on at least one occasion:

- identified potential workplace hazards and implemented safe working systems for machinery and equipment operation
- monitored machinery and equipment operations for a workplace
- evaluated machinery and equipment requirements for a workplace
- developed machinery and equipment operation and maintenance procedures according to health and safety guidelines, manufacturer specifications, workplace procedures and hazardous substances legislation
- scheduled, supervised and recorded the service and maintenance of machinery and equipment
- monitored machinery and equipment operations and maintenance requirements, and reviewed risk assessments periodically to ensure a safe operating environment
- communicated effectively with staff
- assessed staff capability in machinery maintenance and operation, and provided supervision and mentoring.

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:

- servicing and maintaining machinery and equipment within area of responsibility
- methods of calculating the cost of machines and their contribution
- training and instruction techniques for directing the learning of staff
- hazard identification, risk assessment and procedures for developing risk controls

- workplace procedures, legislation and regulation requirements applicable to machinery and equipment maintenance and management
- environmental legislation applicable to maintenance of machinery and equipment, disposal of waste and hazardous substances
- workplace procedures applicable to health and safety in the workplace and machinery and equipment management.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - machinery and equipment maintenance plans and schedules
 - machinery and equipment budgets
- specifications:
 - machinery and equipment operation and maintenance manual and manufacturer specifications
 - workplace procedures and health and safety in the workplace procedures, legislation and regulation applicable to machinery and equipment maintenance and management
 - legislation and regulation requirements applicable to machinery and equipment management
 - environmental legislation applicable to maintenance of machinery and equipment, disposal of waste and hazardous substances
- relationships:
 - team members
- timeframes:
 - according to the job requirements.

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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