



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 |

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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> |
| | <p>1.3 Estimate productivity returns from machinery and equipment to identify benefit to production processes</p> <p>1.4 Monitor machinery and equipment replacement cycles to identify improvement options and maximise the life cycle of components</p> <p>1.5 Acquire machinery and equipment through appropriate procurement options</p> |
| 2. Coordinate machinery and equipment maintenance | <p>2.1 Identify and schedule maintenance and service cycles to ensure servicing is according to manufacturer specifications and production processes</p> <p>2.2 Cost and arrange storing and housing of machinery and equipment</p> <p>2.3 Document and record operational and service history</p> <p>2.4 Identify and assess risks and hazards to health and safety in the workplace and review and record risk controls</p> <p>2.5 Provide, maintain and store suitable personal protective equipment according to workplace health and safety procedures</p> <p>2.6 Develop and monitor repair and maintenance routines according to manufacturer specifications and workplace health and safety procedures</p> |
| 3. Monitor operation | <p>3.1 Make available for use, maintain and dispose of consumables and operational support materials according to workplace procedures</p> <p>3.2 Monitor adherence to health and safety in the workplace and environmental practices according to workplace procedures</p> <p>3.3 Ensure operational procedures are clear, documented and followed according to manufacturer specifications and workplace procedures</p> <p>3.4 Provide operators with instructions and supervision according to health and safety standards and efficient workplace practices</p> |

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"> Identify and interpret information regarding maintenance requirements for machinery and equipment |
| Writing | <ul style="list-style-type: none"> Document plans and prepare written reports for workplace personnel regarding machinery and equipment operation |
| Oral communication | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Estimate and calculate resources, machinery and equipment costs and servicing costs |
| Navigate the world of work | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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>