



Australian Government

Department of Education, Employment and Workplace Relations

AHCMOM501A Manage machinery and equipment

Release: 1

AHCMOM501A Manage machinery and equipment

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers managing machinery and equipment and defines the standard required to: develop machinery and equipment operation and maintenance procedures in compliance with environmental Codes of Practice and Occupational Health and Safety (OHS) and hazardous substances legislation; schedule, supervise and record the service and maintenance of machinery and equipment; monitor machinery and equipment operations and maintenance and review risk assessments periodically to ensure a safe operating environment; assess staff capability in machinery maintenance and operation and provide training and mentoring; calculate the total running cost of machines.
------------------------	--

Application of the Unit

Application of the unit	This unit applies to those whose job role it is to manage machinery and equipment in agriculture, horticulture and land management to ensure that machinery and equipment for the enterprise is managed in a way that allows the core business of the enterprise to operate efficiently.
--------------------------------	--

Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
-----------------------------	--

Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Evaluate machinery and equipment	1.1. Operations of available machinery and equipment are reviewed and matched to production processes and OHS requirements. 1.2. Operation and servicing costs of machinery and equipment are calculated to justify total purchasing price. 1.3. Productivity returns from machinery and equipment are estimated to identify benefit to production processes. 1.4. Machinery and equipment replacement cycles are monitored to identify improvement options and maximise life cycles of components. 1.5. Machinery and equipment is accessed through appropriate procurement options.
2. Coordinate maintenance	2.1. Maintenance and service cycles are identified and scheduled to ensure servicing is according to manufacturer's specifications and production processes. 2.2. Storing and housing of machinery and equipment is costed and organised. 2.3. Maintenance is documented and recorded to ensure operational and service history. 2.4. OHS hazards in the workplace are identified, risk assessed, and risk controls are recorded and reviewed according to enterprise requirements. 2.5. Suitable personal protective equipment is provided, used, maintained and stored according to OHS requirements. 2.6. Repair and maintenance routines are developed and monitored according to manufacturer's specifications and OHS requirements.
3. Monitor operation	3.1. Consumables and operational support materials are made available, maintained and disposed of according to enterprise requirements. 3.2. Environmental implications and workplace safety practices are monitored according to enterprise requirements. 3.3. Operational procedures are clear, documented and followed according to manufacturer's specifications. 3.4. Operators are provided with competent instruction and appropriate supervision according to OHS requirements.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- identify hazards and implement safe systems of work
- monitor machinery and equipment operations
- evaluate machinery and equipment
- identify skill needs of staff
- identifying, assessing and controlling hazards
- use literacy skills to fulfil job roles as required by the organisation. The level of skill may range from reading and understanding documentation to completion of written reports
- use oral communication skills/language competence to fulfil the job role as specified by the organisation including questioning, active listening, asking for clarification, negotiating solutions and responding to a range of views
- use numeracy skills to estimate, calculate and record complex workplace measures
- use interpersonal skills to work with others and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- 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
- relevant OHS and environmental issues, legislative requirements and Codes of Practice
- OHS hazard identification, risk assessment and developing risk controls
- environmental legislation and Codes of Practice with regard to maintenance of machinery and equipment, disposal of wastes and hazardous substances
- legislative and enterprise requirements for OHS.

Evidence Guide

EVIDENCE GUIDE	
The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following: • develop machinery and equipment operation and maintenance procedures in compliance with environmental Codes of Practice and OHS and hazardous substances legislation • schedule, supervise and record the service and maintenance of machinery and equipment • monitor machinery and equipment operations and maintenance and review risk assessments periodically to ensure a safe operating environment • assess staff capability in machinery maintenance and operation and provide training and mentoring • calculate the total running cost of machines.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole.	
Machinery covered by this standard may include:	• hydraulic equipment • agricultural and horticultural machinery and equipment • engines • irrigation equipment

RANGE STATEMENT

	• earth moving equipment • spraying equipment • solar and wind powered equipment • lifting/elevated equipment • all vehicles/motorcycles • all types of park and turf maintenance machinery and equipment.
--	--

Unit Sector(s)

Unit sector	Machinery operation and maintenance
--------------------	-------------------------------------

Co-requisite units

Co-requisite units		

Competency field

Competency field	
-------------------------	--