



Australian Government

AHCMOM305 Operate specialised machinery and equipment

Release: 2

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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 prepare and operate specialised machinery and equipment in a safe, efficient and controlled manner that is used principally in agriculture, horticulture, and conservation and land management work.

The unit applies to individuals who operate specialised machinery and equipment under broad direction, and take responsibility for their own work.

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. Select and prepare specialised machinery and equipment for use	1.1 Confirm activity to be undertaken, including identifying potential hazards and risks and implementing safe working practices to manage risks 1.2 Source and interpret relevant specialised machinery and equipment operation and maintenance manual and manufacturer instructions

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>1.3 Assess the work site and confirm the suitability of the specialised machinery and equipment for the task</p> <p>1.4 Select specialised machinery and equipment suitable for the task</p> <p>1.5 Select and maintain personnel protective equipment applicable to the machinery and equipment to be operated and the task to be undertaken</p> <p>1.6 Fit and use personal protective equipment according to workplace procedures and job requirements</p> <p>1.7 Conduct routine pre-operational checks as described in operation and maintenance manual</p> <p>1.8 Replace and report damaged or worn components in line with workplace requirements</p> <p>1.9 Attach ancillary equipment and check for correct operation</p>
2. Operate specialised machinery and equipment	<p>2.1 Operate specialised machinery and equipment safely</p> <p>2.2 Operate specialised machinery and equipment according to task requirements, conditions, operation and maintenance manual and manufacturer specifications</p> <p>2.3 Monitor specialised machinery and equipment performance and efficiency and make adjustments where required</p> <p>2.4 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment</p>
3. Complete specialised machinery and equipment operation	<p>3.1 Conduct shut down of machinery according to workplace procedures</p> <p>3.2 Perform routine operational servicing and minor maintenance according to operation and maintenance manual</p> <p>3.3 Identify and report malfunctions, faults, irregular performance or damage according to workplace procedures</p> <p>3.4 Clean, secure and store specialised machinery and equipment according to workplace procedures</p> <p>3.5 Maintain specialised machinery and equipment use records in required format</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
Reading	<ul style="list-style-type: none">Interpret textual information from a range of sources to identify relevant and key information about workplace operations
Writing	<ul style="list-style-type: none">Document specialised machinery and equipment use
Oral communication	<ul style="list-style-type: none">Use clear language to report malfunctions, faults, irregular performance or damage
Numeracy	<ul style="list-style-type: none">Calculate quantities of machinery fluids including oil and fuel
Navigate the world of work	<ul style="list-style-type: none">Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility

Range of Conditions

This section specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Specialised machinery and equipment must include at least one of the following:	<ul style="list-style-type: none">feed mixersspecialised turf equipmentspecialised nursery equipmentlivestock feeding systemsspecialised harvesting or planting equipmentfiltering and pumping equipmentpoultry performance monitoring equipmentfertilising applicationgrain handling equipment.
Pre-operational checks must include:	<ul style="list-style-type: none">specialised machinery and equipment damage and serviceabilityengine oilfuelspecialised machinery and equipment controlsreporting and tagging defects.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCMOM305 Operate specialised machinery and equipment Release 2	AHCMOM305 Operate specialised machinery and equipment Release 1	Minor changes to performance criteria, foundation skills and range of conditions	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>