



Australian Government

AHCMOM202 Operate tractors

Release: 3

AHCMOM202 Operate tractors

Modification History

Release	Comments
Release 3	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 2.0.
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 for, operate and complete tractor operations under general supervision in the agriculture, horticulture and land management sectors.

Working with tractors is an inherently dangerous activity. Individuals who work at this level must be thoroughly instructed in all health and safety in the workplace aspects of operating tractors. The tractor must also comply with relevant Australian standards for tractors.

The unit applies to individuals who operate tractors to undertake routine work under general supervision with limited autonomy and accountability.

Vehicle must be operated according to relevant state/territory licensing authority vehicle licence requirements and regulations.

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
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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>
1. Prepare tractor for operation	1.1 Confirm with supervisor activity to be undertaken, including identifying potential hazards and risks and implementing safe working practices to manage risks 1.2 Source and interpret machinery operation and maintenance manual and manufacturer instructions for tractor operation 1.3 Select and maintain personal protective equipment and safety equipment according to workplace safety requirements 1.4 Fit and use personal protective equipment according to job requirements and task to be undertaken 1.5 Select and attach equipment as directed by supervisor 1.6 Conduct tractor routine pre-operational checks according to operation and maintenance manual and report faults or malfunctions to supervisor
2. Operate tractor	2.1 Carry out pre-start and start up procedures required for tractor operation 2.2 Drive and operate tractor in a smooth and controlled manner 2.3 Apply workplace environmental and biosecurity procedures associated with tractor operation and minimise impact 2.4 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment 2.5 Complete work according to agreed plan as directed by supervisor 2.6 Report abnormal monitoring system indicators and alarms to supervisor
3. Complete tractor operation	3.1 Park tractor and conduct shut down procedures 3.2 Perform routine operational servicing according to the operation and maintenance manual 3.3 Report malfunctions, faults, irregular performance or damage to supervisor 3.4 Clean, decontaminate, secure and store tractor and attached equipment 3.5 Remove and store keys in the required location 3.6 Maintain tractor and equipment use records in required format

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	Interpret textual information from a range of sources to identify relevant and key information about workplace operations
Writing	Document tractor and equipment use
Oral communication	- Use clear language to report malfunctions, faults, irregular performance or damage - Participate in verbal exchanges to respond to questions and clarify instructions
Numeracy	- Calculate quantities of vehicle fluids including fuel - Identify correct tyre pressure or track tension
Navigate the world of work	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.

Pre-operational checks must include:	- maintenance interval schedule daily check - machine damage and serviceability - guards are in place and undamaged - checking for missing parts - fluid leaks and levels - fuel level - brakes and clutch operation - condition of tyres or tracks - machine controls.
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Unit Mapping Information

Code and title	Code and title	Comments	Equivalence status
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current version	previous version		
AHCMOM202 Operate tractors Release 3	AHCMOM202 Operate tractors Release 2	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>

Assessment Requirements for AHCMOM202 Operate tractors

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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 prepared for, safely operated and completed tractor operations under general supervision at least once and has:

- identified and reported hazards and implemented safe operating procedures
- carried out tractor pre-operational checks and reported faults to supervisor
- driven and operated a tractor safely, in a smooth and controlled manner
- operated tractors in even and uneven terrain conditions
- carried out tractor shut down procedures
- maintained tractor use records and reported faults or malfunctions
- minimised environmental impacts associated with tractor operation
- followed workplace health and safety procedures for safe tractor operation
- followed industry and workplace biosecurity procedures.

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:

- tractor components, controls and features and operational functions
- tractor operation and maintenance manuals
- tractor steering systems and features
- features, operational functions and procedures for attached equipment
- load limits and the principles of weight distribution with regard to load shifting and tractor movement
- distinguishing characteristics of individual tractors including rated performance capacities
- effects of various surface and difficult terrain conditions on tractor operation

- duty of care to self, others and the environment
- relevant legislation with regard to tractor operation and licensing requirements
- environmental impacts relevant to operation of vehicles
- health and safety in the workplace requirements to operate a tractor safely
- industry and workplace biosecurity procedures.

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
 - individual must not be under the influence of alcohol or drugs
 - individual must not be taking any medication (prescribed or otherwise) that may impair judgement
 - individual must not be in a fatigued state when operating the machinery
- resources, equipment and materials:
 - tractors
 - safety equipment and personal protective equipment applicable to the task being undertaken
- specifications:
 - tractor operation and maintenance manual
 - industry and workplace biosecurity procedures applicable to tractor operation
 - legislation relevant to tractor operation and licensing requirements
- 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.

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