



Australian Government

AHCMOM208 Conduct excavator operations

Release: 2

AHCMOM208 Conduct excavator operations

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 for, carry out and shut down excavator operations in an agricultural environment.

The unit applies to individuals who conduct excavator operations 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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for excavator 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 excavator operation and maintenance manual

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	and observe manufacturer instructions 1.3 Assess the work site and confirm the suitability of the machinery for the task 1.4 Select and maintain personal protective equipment according to workplace safety requirements 1.5 Fit and use personal protective equipment and confirm safety equipment applicable to the task being undertaken 1.6 Conduct excavator routine pre-operational checks according to operation and maintenance manual and report faults or malfunctions to supervisor for repair 1.7 Observe safety rules and regulations, including site rules and legislation and site specific instructions
2. Operate excavator	2.1 Carry out pre-start, and start up procedures according to health and safety in the workplace guidelines 2.2 Drive and operate excavator, and modify the operating technique to meet changing work conditions 2.3 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment 2.4 Identify environmental and biosecurity implications associated with excavator operation and minimise impact 2.5 Complete work task according to the agreed plan and within the operating capacity of the equipment and operator
3. Complete excavator operation	3.1 Park excavator and conduct shut down procedures 3.2 Perform routine operational servicing and minor maintenance according to excavator operation and maintenance manual 3.3 Identify and report malfunctions, faults, irregular performance or damage to supervisor 3.4 Clean, secure and store excavator in line with workplace practices 3.5 Remove and store keys in the required location 3.6 Maintain excavator 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 excavator use
Oral communication	• Use clear language to report malfunctions, faults, irregular performance or damage • Participate in verbal exchanges to respond to questions and clarify information
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 • checking for missing parts • fluid leaks and levels • fuel level • brakes and clutch operation • condition of tyres or tracks • machine controls.
Biosecurity implications must include:	• control of cross site contamination.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCMOM208 Conduct excavator operations Release 2	AHCMOM208 Conduct excavator operations Release 1	Minor changes to performance criteria, foundation skills and range of conditions	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCMOM208 Conduct excavator operations

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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, carried out and shut down excavator operations at least once and has demonstrated the following:

- identified hazards and implemented safe operating procedures for excavator operations
- carried out excavator pre-operational checks for safe excavator operation
- driven and operated an excavator safely including modifying operating technique to meet changing work conditions
- carried out excavator shut down procedures including securing and safe storage of excavator
- minimised environmental impacts associated with excavator operation
- followed workplace health and safety procedures while undertaking pre-operational checks, operational and shut down procedures for the excavator
- followed industry and workplace biosecurity procedures
- completed required documentation for excavator use.

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:

- hazards and risks associated with excavator operations
- excavator and site safety requirements
- excavator components, controls, features, technical capabilities and limitations
- excavator operation and maintenance manual
- duty of care to self, others and the environment when operating an excavator
- relevant legislation with regard to excavator operation and licensing requirements
- environmental impacts relevant to the operation of excavators

- workplace procedures applicable to health and safety in the workplace requirements to operate an excavator 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:
 - excavators
 - safety equipment and personal protective equipment applicable to the task being undertaken
- specifications:
 - excavator operation and maintenance manuals
 - industry and workplace biosecurity procedures applicable to excavator operation
 - legislation relevant to excavator 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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