



Australian Government

Department of Education, Employment and Workplace Relations

AHCMOM313A Operate mobile irrigation machinery and equipment

Release: 1

AHCMOM313A Operate mobile irrigation machinery and equipment

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the process of operating mobile irrigation machinery and equipment and defines the standard required to: conduct pre and post operational checks; operate mobile irrigation machinery and equipment in a safe, efficient and controlled manner; perform minor maintenance and fault finding; record work activities.
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Application of the Unit

Application of the unit	This unit requires a high level of individual responsibility for the care and efficient operation of the equipment, the need to meet plant water needs efficiently, and the potential operating hazards involved.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

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1. Prepare machinery for use	1.1. Select and use appropriate personnel protective equipment. 1.2. Conduct routine pre-operational checks and house keeping tasks. 1.3. Replace and/or report damaged or worn components. 1.4. Identify and report potential Occupational Health and Safety (OHS) hazards. 1.5. Identify and report potential environmental implications. 1.6. Attach ancillary equipment and check for correct operation.
2. Operate machinery and equipment	2.1. Operate machinery and equipment in a safe, efficient and controlled manner. 2.2. Operate machinery in accordance with task requirements, conditions and manufacturers operating guidelines. 2.3. Monitor machinery performance and efficiency and make adjustments as required. 2.4. Assess and minimise potential risks to self, others and the environment.
3. Complete work	3.1. Follow shut down procedures. 3.2. Complete operational records. 3.3. Carry out routine operator servicing. 3.4. Identify and report malfunctions, faults, irregular performance or damage.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- conduct pre-operational checks
- operate machinery in a safe, efficient and controlled manner
- perform operator maintenance tasks
- attach and uncouple associated equipment
- use literacy skills to read, interpret and follow organisational policies and

REQUIRED SKILLS AND KNOWLEDGE

procedures, follow sequenced written instructions, record accurately and legible information collected and select and apply procedures for a range of tasks

- use oral communication skills/language competence to fulfil the job role as specified by the organisation, including questioning techniques, active listening, clarifying information and consulting with supervisors as required
- use numeracy skills to estimate, calculate and record routine workplace measures
- use interpersonal skills to work with and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- manufacturer's requirements and/or workplace requirements for:
 - pre-operational checks
 - machinery operation techniques
 - operator level servicing
 - shutdown
 - emergency procedures
 - basic diagnostic techniques
 - equipment characteristics, technical capabilities and limitations
 - components and controls, features and functions.

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: • conduct pre and post operational checks • operate mobile irrigation machinery and equipment in a safe, efficient and controlled manner • perform minor maintenance and fault finding • record work activities.
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.	
The types of machinery and equipment may include:	• lateral and centre pivot mobile irrigation machinery and equipment used for the irrigation of broadacre and horticultural crops.

Unit Sector(s)

Unit sector	Machinery operation and maintenance
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Co-requisite units

Co-requisite units		

Competency field

Competency field	
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