



Australian Government

AHCDRG302 Measure drainage system performance

Release: 1

AHCDRG302 Measure drainage system performance

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to measure, record and report on soil moisture, salinity and water table depth to determine system performance and efficiency.

It applies to individuals who take responsibility for own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. All work is carried out to comply with workplace procedures.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Drainage (DRG)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare for work	1.1 Confirm the location of the drainage system 1.2 Select materials, tools, equipment and machinery 1.3 Carry out pre-operational and safety checks on tools, equipment and machinery 1.4 Identify work health and safety hazards, assess risks and implement controls 1.5 Select, use and maintain suitable personal protective equipment

Element	Performance criteria
2. Assess drainage and collection systems	2.1 Determine damaged or broken components 2.2 Inspect areas for signs of water pooling and problems 2.3 Take measurements to determine drainage performance 2.4 Identify and record factors external to the system which may cause interference
3. Record and report system performance status	3.1 Record water quality and quantity 3.2 Record water table depth, soil moisture and salinity 3.3 Document strategies that minimise the negative environmental impacts and maximise the positive impacts of the drainage system

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCDRG302A Measure drainage system performance.

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 AHCDRG302 Measure drainage system performance

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- identify adverse environmental impacts of drainage systems
- identify and apply appropriate remedial action
- identify and correct system problems
- identify hazards and implement safe work procedures
- use technology to record and report drainage system data

Knowledge Evidence

The candidate must demonstrate knowledge of:

- how to measure a water table and salinity
- measuring and monitoring procedures for factors contributing to drainage system performance
- positive and negative environmental impacts of drainage systems
- soil moisture measurement procedures
- the environmental role of drainage systems
- water quality monitoring methods and techniques

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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