



Australian Government

AHCIRG325 Operate irrigation technology

Release: 1

AHCIRG325 Operate irrigation technology

Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to operate irrigation technology as part of irrigation installation, construction and operation.

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

Irrigation (IRG)

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 to work	1.1 Determine work requirements and identify hazards, assess risks and implement control measures 1.2 Select required tools and equipment and check for safe operation and accuracy 1.3 Select and use suitable personal protective equipment
2. Operate equipment	2.1 Identify sampling points 2.2 Collect samples 2.3 Record and interpret readings and observations

Element	Performance criteria
3. Operate irrigation controllers and sensors	3.1 Link sensors to controllers by wiring or radio signals 3.2 Program controllers 3.3 Monitor accuracy and reliability of electronic flow control equipment and calibrate where necessary 3.4 Report discrepancies or malfunctions to management 3.5 Transport and store equipment appropriately

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 AHCIRG325A Operate irrigation technology.

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 AHCIRG325 Operate irrigation technology

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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.

The candidate must provide evidence that they can:

- check accuracy of and calibrate equipment
- maintain and check irrigation equipment for accuracy
- operate irrigation controllers and sensors
- operate pressure testing equipment
- operate soil moisture testing equipment
- operate technology to measure and monitor the irrigation system or the growing environment
- operate water metering equipment
- operate water testing equipment
- record observations and data
- record the results of testing
- take representative samples for measurement
- take samples for testing

Knowledge Evidence

The candidate must demonstrate knowledge of:

- data recording procedures
- environmental procedures for use, storage and recycling of electronic equipment and batteries
- equipment maintenance and operation
- irrigation controllers and sensors
- measurement procedures
- operational procedures
- pressure testing equipment
- safe work practices including working with low voltage wiring

- sampling techniques
- soil moisture testing equipment
- water metering equipment
- water testing equipment

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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