



Australian Government

AHCIRG306 Troubleshoot irrigation systems

Release: 1

AHCIRG306 Troubleshoot irrigation systems

Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to troubleshoot faults and blockages in irrigation systems.

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. Locate and identify faulty components and blockages	1.1 Determine irrigation system and component function 1.2 Check and review monitoring and maintenance records 1.3 Carry out operational tests 1.4 Identify and document faulty components and blockages
2. Shut down and isolate component	2.1 Apply shut down sequence and isolation procedures 2.2 Verify safe shutdown or isolation 2.3 Install safety or security lock off devices and signage
3. Replace faulty	3.1 Organise access to faulty components and blockages

Element	Performance criteria
components and clear blockages	3.2 Remove faulty components and repair or dispose of 3.3 Select and install replacement components 3.4 Replace faulty components and clear blockages 3.5 Clear blockages or replace blocked sections
4. Return system to normal operating status	4.1 Return isolated or shutdown components to service 4.2 Carry out operational tests 4.3 Return system to normal operational set-up 4.4 Report and record repair activities

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 AHCIRG306A Troubleshoot irrigation systems.

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 AHCIRG306 Troubleshoot irrigation systems

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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:

- carry out operational tests
- identify adverse environmental impacts of irrigation activities and appropriate remedial action
- operate, maintain and repair irrigation systems
- shut down and isolate components

Knowledge Evidence

The candidate must demonstrate knowledge of:

- characteristics and operation of replaceable components of irrigation systems
- environmental impacts of irrigation using water from any ground or underground source
- isolation procedures
- purchasing procedures
- system malfunctions and their likely causes

Assessment Conditions

Assessors must satisfy current standards for RTOs.

Links

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