



**Australian Government**

**Assessment Requirements for AHCIRG508  
Design irrigation system maintenance and  
monitoring programs**

**Release: 1**

# Assessment Requirements for AHCIRG508 Design irrigation system maintenance and monitoring programs

## Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0.

## 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 designed an irrigation system maintenance and monitoring program on at least one occasion and has:

- identified and scheduled irrigation system maintenance and monitoring activities
- analysed and organised information
- designed scheduling and recording procedures
- developed and included relevant workplace health and safety and environmental procedures
- identified adverse environmental impacts of irrigation, drainage and water treatment activities and taken appropriate remedial action.

## 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:

- maintenance and monitoring design requirements
- drainage and water treatment using water from any ground or underground source
- irrigation, drainage and water treatment maintenance activities
- water quality guidelines for fresh and marine water
- water supply authority constraints
- workplace health and safety and environmental protection legislation, regulations, codes of practice and workplace requirements applicable to monitoring and maintenance programs
- environmental impacts of irrigation.

## 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
- specifications:
  - manufacturer operation manuals relevant to irrigation system maintenance and monitoring program design
  - water quality guidelines for fresh and marine water
  - workplace health and safety and environmental protection legislation, regulations, codes of practice and workplace requirements applicable to monitoring and maintenance programs
- 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.

## **Links**

Companion Volumes, including Implementation Guides, are available at VETNet: -  
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>