



Australian Government

Assessment Requirements for AHCIRG506 Design irrigation systems

Release: 1

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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 on at least one occasion and has:

- collected and analysed information for the design
- compared costings
- developed system specifications
- documented outcomes
- identified system design requirements
- identified adverse environmental impacts of irrigation activities and taken appropriate remedial action
- developed budgets.

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:

- developments in irrigation technology
- workplace health and safety and environmental protection legislation and regulations, codes of practice and workplace policies and procedures relevant for the irrigation system design
- soil types and their impact on the systems
- design processes
- environmental impacts of irrigation systems
- control and monitoring systems
- cost/benefit analysis.

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
- resources, equipment and materials:
 - regional geology and geography information
 - irrigation system sites
- specifications:
 - irrigation system water and soil testing equipment and procedures
 - local, state and federal workplace health and safety and environmental protection legislation, regulations, codes of practice and workplace requirements applicable to irrigation system design
- relationships:
 - local authorities, appropriately experienced and qualified person
- 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>