



Australian Government

Assessment Requirements for AHCIRG444 Manage 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 managed the operations of an irrigation system on at least two occasions and has:

- measured, interpreted and adjusted flow rates and pressures
- developed procedures for irrigation system start up, shutdown and operational checks
- accessed and prepared data records for both print-based and computer-based data
- calculated pressure differentials, flow rates, crop yields, estimated water usage and actual water usage
- monitored system effectiveness
- applied measuring and testing techniques
- measured output and efficiency of an irrigation system.

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:

- principles and practices of irrigation system management
- irrigation schedules
- irrigation technologies
- component specifications
- pump types used in irrigation systems and their output and efficiency ratings
- soil moisture testing techniques
- using records to review an irrigation system
- water in soils and plants.

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:
 - irrigation system measuring, and recording equipment and manual specifications:
 - industry energy and water efficiency benchmarks
 - computer for record keeping and managing data
- 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>