



**Australian Government**

**Assessment Requirements for AHCDRG403  
Coordinate and supervise installation of an  
irrigation drainage system**

**Release: 1**

# Assessment Requirements for AHCDRG403 Coordinate and supervise installation of an irrigation drainage system

## Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and 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 coordinated and supervised the installation of an irrigation drainage system on at least one occasion and has:

- developed operational procedures
- conducted a workplace health and safety risk assessment
- interpreted irrigation designs
- documented requirements for structures
- estimated quantities and volumes of soil to be moved.

## 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:

- environmental impacts and role of drainage systems
- regulatory requirements, codes of practice and relevant workplace service standards relating to blockage removal, disconnection and reconnection activities
- water authority standards and procedures
- principles and practices of irrigation drainage system installation, including:
  - components used in drainage systems
  - drainage appliances, fixtures and fittings
  - isolation processes and procedures
  - levelling and alignment processes
  - types and operational parameters of drains
- soil moisture measurement procedures
- water quality monitoring methods and techniques
- water table and salinity measures
- development of procedures
- supervision of task allocation, coordination of resources and induction procedures

- trench excavation and earth works procedures
- measuring and monitoring procedures for factors contributing to drainage system performance.

## 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:
  - irrigation drainage system design specifications
  - workplace procedures applicable to health and safety in the workplace and installation of an irrigation drainage system
  - water authority standards and procedures
- 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>