



Australian Government

**Assessment Requirements for AHCDRG401
Coordinate and supervise installation of an
irrigation drainage system**

Release: 1

Assessment Requirements for AHCDRG401 Coordinate and supervise installation of an irrigation drainage system

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- conduct a work health and safety risk assessment
- develop operational procedures
- document requirements for structures
- estimate quantities and volumes of soil to be moved
- implement employment procedures
- interpret irrigation designs
- supervise workers in:
 - earth moving and construction procedures
 - power and pumping plant installation
 - pump and gated pipe installation
 - construction of canals, channels, head ditches, beds, check structures, tailwater holding ponds

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices of irrigation drainage system installation
 - components used in drainage systems
 - drainage appliances, fixtures and fittings
 - environmental impacts of drainage systems
 - environmental role of drainage systems
 - isolation processes and procedures
 - level and align site
 - levelling and alignment processes

- measuring and monitoring procedures for factors contributing to drainage system performance
- positive and negative environmental impacts of drainage systems
- regulatory requirements, codes of practice and relevant enterprise service standards relating to blockage removal, disconnection and reconnection activities
- soil moisture measurement procedures
- types and operational parameters of drains
- water authority standards and procedures
- water quality monitoring methods and techniques
- water table and salinity measures

Assessment Conditions

Assessors must satisfy current standards for RTOs.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>