



Australian Government

Assessment Requirements for AHCDRG501 Design drainage systems

Release: 1

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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:

- assess the requirements for pumping capacity in a drainage system and power requirements
- complete hydrological calculations
- develop budgets
- develop specifications for water transfer, recharge, reuse and harvesting systems
- identify adverse environmental impacts of drainage and appropriate remedial action
- identify design requirements
- identify performance indicators for the drainage system
- predict volumes and rates of surface run-off and system leakage

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices of drainage design
 - budgeting, contractual development and obligations
 - developments in drainage technology
 - cost/benefit analysis
 - leachate interception and dewatering systems
 - leaching fractions and salt movements prediction
 - monitoring systems
 - the design processes
 - water transfer, recharge, reuse and harvesting systems
 - workplace health and safety and environmental protection legislation

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>