



**Australian Government**

# **Assessment Requirements for AHCSAW501 Design control measures and structures**

**Release: 1**

# Assessment Requirements for AHCSAW501 Design control measures and structures

## 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:

- produce a design for erosion and sediment control measures and structures
- identify measures to be designed
- apply design procedures
- prepare specification schedule
- cost the project and provide recommendations in line with budget constraints
- use computer design programs
- determine design specifications using methods that meet industry standards
- develop design plan to meet client, organisational and regulatory requirements
- consult with management or client to confirm design meets requirements
- identify how the design applies sustainability principles

## Knowledge Evidence

The candidate must demonstrate knowledge of:

- erosion control and design principles:
  - soils and soil formation
  - levels and levelling
  - earthmoving principles
  - total catchment issues
  - managing peak water flows
- subsurface and surface drainage principles and systems
- environmental issues related to the design
- the limitations of design aids provided for industry

## **Assessment Conditions**

Assessors must satisfy current standards for RTOs.

## **Links**

Companion Volume implementation guides are found in VETNet -

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