



Australian Government

AHCSAW301 Construct conservation earthworks

Release: 1

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Modification History

| Release | TP Version | Comment |
|---------|------------|-----------------|
| 1 | AHCv1.0 | Initial release |

Application

This unit of competency describes the skills and knowledge required to use specialised earthmoving techniques to achieve fine tolerances in the construction of conservation earthworks.

Construction is often carried out using a single earthmoving machine in varied conditions and terrains that requires the plant operator to develop skills that are unique to this sector.

This unit applies to individuals who work under broad direction and take responsibility for their own work including limited responsibility for the work of others.

Special vehicle licenses may apply to this unit, dependent on the type of machinery being used. Specific determination should be sought through the relevant State or Territory.

Pre-requisite Unit

Nil.

Unit Sector

Soil and Water Conservation (SAW)

Elements and Performance Criteria

| Element | Performance criteria |
|---|--|
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Prepare for construction | 1.1 Confirm construction details and sequence 1.2 Identify and locate worksite, site indicators and survey pegs according to maps and plans of the site 1.3 Confirm work readiness of machinery and equipment 1.4 Assess and minimise risks to others and the environment 1.5 Select and use appropriate personal protective equipment |

| Element | Performance criteria |
|--|---|
| | 1.6 Verify that equipment and attachments match terrain and program tasks |
| 2. Carry out conservation earthworks construction work | 2.1 Follow industry endorsed earthwork methods and patterns for specific machines 2.2 Monitor and maintain optimum machinery loads in accordance with prevailing conditions 2.3 Ensure that safe machinery operating techniques are deployed to match terrain, site conditions other operators and workers 2.4 Ensure that excavation, transport, dumping and compaction of material is conducted appropriately and according to enterprise, client and legislative requirements 2.5 Carry out work in accordance with work health and safety policies and procedures |
| 3. Apply finishing techniques | 3.1 Finish batters and surfaces 3.2 Retain site features and vegetation 3.3 Clear site and remove debris 3.4 Complete topsoiling of disturbed areas and surfaces |
| 4. Finalise work | 4.1 Complete work records 4.2 Clean, store and maintain machinery, tools and equipment |

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCSAW301A Construct conservation earthworks

Links

Companion Volume implementation guides are found in VETNet -

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