



Australian Government

AHCSAW303 Construct conservation earthworks

Release: 1

AHCSAW303 Construct conservation earthworks

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

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, using a single earthmoving machine in varied conditions and terrains that requires the plant operator to develop skills that are unique to this sector.

The unit applies to individuals who work in conservation and land management roles and who use discretion and judgement in the selection, allocation and use of available resources and for solving problems.

Special vehicle licenses may apply to this unit, dependent on the type of machinery and conditions of use. Specific determination should be sought through the relevant state or territory authority.

Pre-requisite Unit

Nil

Unit Sector

Soil and Water Conservation (SAW)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for construction	1.1 Confirm construction details, sequence and specifications from site and construction plans 1.2 Identify and locate worksite and surveyed work according to maps and site plans 1.3 Select, check and prepare machinery and equipment required for

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	construction work 1.4 Identify hazards, assess risks and implement controls according to workplace health and safety procedures 1.5 Select, check and use personal protective equipment 1.6 Verify the suitability of equipment and attachments for terrain and construction work
2. Carry out conservation earthworks construction work	2.1 Operate machinery and equipment according to industry endorsed earthwork methods and patterns 2.2 Monitor and maintain optimum machinery loads in accordance with prevailing conditions and manufacturer specifications 2.3 Operate machinery safely using techniques suitable for terrain, site conditions and other operators and site worker safety 2.4 Construct earthworks according to specifications, workplace procedures and legislative requirements
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 according to environmental and biosecurity requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret instructions, plans and specifications to determine construction work required and performance quality outcomes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCSAW303 Construct conservation earthworks	AHCSAW301 Construct conservation earthworks	Minor changes to Application and Performance Criteria Updated Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions	Not equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>