



**Australian Government**

# **AHCSAW203 Conduct erosion and sediment control activities**

**Release: 1**

# AHCSAW203 Conduct erosion and sediment control activities

## 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 control erosion and sediment using earthworks construction and other land forming activities, usually 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 under general supervision and exercise limited autonomy with some accountability for their own work. They undertake defined routine activities.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## 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 to work                               | 1.1 Read and interpret work instructions and clarify with supervisor<br>1.2 Prepare tools and equipment and use according to instructions and biosecurity procedures<br>1.3 Identify workplace health and safety hazards and report to supervisor for instructions on controls |

| Elements                                           | Performance Criteria                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>   | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                         |
|                                                    | 1.4 Select, check and use personal protective equipment                                                                                                                                                                                                                                        |
| 2. Conduct erosion and sediment control activities | 2.1 Identify erosion and sediment risks at a site and confirm with supervisor<br>2.2 Assemble structures to prevent erosion and control sediment<br>2.3 Carry out sediment control and maintenance activities<br>2.4 Operate tools, machinery and equipment according to operator instructions |
| 3. Complete work                                   | 3.1 Dispose of or recycle soil and waste material from the site according to environmental procedures<br>3.2 Clean, store and maintain tools and equipment according to workplace and biosecurity procedures                                                                                   |

## 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                                                                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Oral Communication | <ul style="list-style-type: none"> <li>Interact effectively with supervisor when seeking direction using clear language and appropriate concepts, tone and pace</li> </ul> |

## Unit Mapping Information

| Code and title current version                               | Code and title previous version                              | Comments                                                                                                                                        | Equivalence status |
|--------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| AHCSAW203<br>Conduct erosion and sediment control activities | AHCSAW201<br>Conduct erosion and sediment control activities | Minor changes to Application and Performance Criteria<br><br>Updated Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment | Not equivalent     |

| Code and title<br>current version | Code and title<br>previous version | Comments   | Equivalence status |
|-----------------------------------|------------------------------------|------------|--------------------|
|                                   |                                    | Conditions |                    |

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

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

# Assessment Requirements for AHCSAW203 Conduct erosion and sediment control activities

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## Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has performed erosion and sediment control on at least two different sites with distinctly different terrain and soil conditions.

There must also be evidence that the individual has:

- conducted erosion and sediment control activities as instructed by a supervisor
- identified hazards and followed safe operating procedures for each site
- identified erosion and sediment control structures, measures and practices
- carried out routine work using control measures and structures
- identified areas at risk of erosion
- operated machinery tools and equipment safely and efficiently
- followed biosecurity procedures.

## Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- need of erosion and sediment, including:
  - importance of erosion and sedimentation to the community
  - effect on loss of habitat
  - effect on water quality
  - loss of production, assets and amenities
- maintenance, repair and monitoring requirements for erosion and sediment controls
- agents and processes of erosion and sedimentation, and ways to control them
- types of erosion and sediment control structures, and techniques for constructing them
- role of vegetation in erosion control
- basic catchment issues
- basic characteristics of erodible soils

- environmental and biosecurity procedures.

## Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated on at least two different sites with distinctly different terrain and soil characteristics
- resources, equipment and materials:
  - tools, equipment and machinery for installing erosion and sediment controls specific to the site requirements
  - consumables and materials required for erosion controls
  - personal protective equipment
- specifications:
  - manufacturer operating instructions for equipment and machinery
  - workplace instructions and specifications
- relationships:
  - supervisor.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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