



**Australian Government**

# **AHCLPW311 Construct access tracks**

**Release: 1**

## AHCLPW311 Construct access tracks

### 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 construct access tracks and clear vegetation on rural land, and implement erosion control by using specialised earthmoving techniques at fine tolerances.

The unit applies to individuals who work in land management, performing work that is often carried out in varied conditions and landscapes that require operators to develop skills that are unique to this sector. They use discretion and judgement in the selection, allocation and use of available resources and for solving problems

Licenses for heavy vehicles and excavation equipment and machinery may be required in some jurisdictions. Users are advised to check with the relevant regulatory authority.

### Pre-requisite Unit

Nil

### Unit Sector

Lands, Parks and Wildlife (LPW)

### 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 of access track      | 1.1 Confirm construction details and work sequence with construction plans and supervisor<br>1.2 Obtain permits and licences required for construction according to regulatory planning and environmental legislation<br>1.3 Locate survey pegs and site indicators on work site<br>1.4 Conduct visual survey of planned track location to determine track |

| 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 control points<br>1.5 Select and prepare equipment and attachments for tasks and terrain<br>1.6 Follow workplace health and safety procedures and environmental procedures<br>1.7 Schedule and coordinate work team, materials and equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 2. Construct access track                        | 2.1 Use earthworks methods and patterns for specific machines during construction<br>2.2 Monitor and maintain optimum machine loads for prevailing conditions<br>2.3 Operate machinery safely using techniques and procedures for site conditions and terrain<br>2.4 Conduct track construction works according to job sequence and industry best practices<br>2.5 Clear vegetation according to planned earthworks, environmental procedures and industry best practice<br>2.6 Liaise and communicate with stakeholders during the construction activity<br>2.7 Complete documentation required by workplace<br>2.8 Ensure construction work complies with environmental, sustainability, biosecurity and workplace health and safety requirements |
| 3. Apply final finish to track                   | 3.1 Apply surface finish to track according to job specifications and industry best practice<br>3.2 Retain site features and vegetation according to planned works and specifications<br>3.3 Clean site and remove construction equipment and waste material according to specifications and workplace environmental 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                                                                                                                                                                                                                                                                 |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading  | <ul style="list-style-type: none"><li>Interpret basic construction plans and specifications, and consolidate information to determine equipment required, methods and location of track and the tolerances required</li></ul>                                               |
| Numeracy | <ul style="list-style-type: none"><li>Make measurements and perform calculations to check site layout against plans for track construction</li><li>Make basic volumetric calculations for measuring and estimating excavation materials during construction works</li></ul> |

## Unit Mapping Information

| Code and title current version       | Code and title previous version      | Comments                                                                                                                                                                                                                                                  | Equivalence status |
|--------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| AHCLPW311<br>Construct access tracks | AHCLPW303<br>Construct access tracks | Updated Application<br>Updated and consolidated Performance Criteria for clarity and brevity<br>Moved specificity to Knowledge Evidence and Performance Evidence<br>Edited and updated Performance Evidence, Knowledge Evidence and Assessment Conditions | Equivalent         |

## 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 AHCLPW311 Construct access tracks

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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, on at least one occasion, demonstrated the ability to construct an access track in a rural or land management context.

There must also be evidence that the individual has:

- selected and prepared equipment suitable for track construction works
- conducted a site survey to determine control points, including identified:
  - required grades
  - water crossing points
  - and structures
- confirmed construction works activities and regulatory compliance with supervisor or project manager
- operated equipment safely to construct track according to job sequence, specifications and workplace procedures and industry standards, including:
  - excavated
  - transported
  - dumped
  - compacted road material
  - finished track surface
- cleaned work site to according to environmental, biosecurity and workplace procedures
- operated machinery according to manufacturer and safe operating procedures
- complied with workplace procedures and policies during construction works, including:
  - workplace health and safety
  - biosecurity
  - environmental
  - and sustainability.

## 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:

- erosion and sediment control standards, principles and issues that apply to the construction of tracks in land management, including:
  - soils and soil formation
  - total catchment issues
  - how to manage peak water flows
  - subsurface and surface drainage principles and systems
- control points relevant to track construction, including:
  - required grades
  - water crossing points
  - structures
- safety while working on a construction site, including:
  - proximity to machinery
  - personnel
  - impediments
  - terrain
- construction of tracks and sequencing of track construction works, including:
  - excavation and earthmoving principles
  - transport
  - dumping
  - compaction
  - surface finish
- site communications and methods
- recognising the stakeholders and their impact on construction works, including:
  - neighbouring landholders
  - local authorities
  - special interest groups
  - staff
  - clients
  - contractors
- legislative and regulatory requirements and codes of practice relevant to track construction, including:
  - wildlife
  - environmental
  - planning
  - ground water
  - biosecurity
- permits and licenses required for the construction of access tracks.

## 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 a surveyed and pegged out track construction site with designated control points
- resources, equipment and materials:
  - machinery and equipment suitable for track construction
  - personal protective equipment
- specifications:
  - policies, procedures and processes for compliance with biosecurity, environmental and legislative requirements
  - manufacturer operating instructions for machinery and equipment
  - workplace track construction plans and specifications
  - legislation and codes of practice relevant to track construction works
- relationships:
  - construction team members and 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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