



Australian Government

AHCINF306 Plan and construct an electric fence

Release: 1

AHCINF306 Plan and construct an electric fence

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

Application

This unit of competency describes the skills and knowledge required to plan, construct and maintain an electric fence.

The unit applies to individuals who plan and construct an electric fence under broad direction, and take responsibility for their own work.

All work must be carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements and manufacturer specifications.

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

Pre-requisite Unit

Nil

Unit Sector

Infrastructure (INF)

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. Determine electric fencing requirements	1.1 Access property maps and assess fencing requirements according to workplace objectives and legislative requirements 1.2 Determine equipment, materials and labour requirements and ensure estimated costings are within budgetary constraints 1.3 Prepare fencing plan, including siting fences in relation to natural

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	features and proposed use
2. Prepare for construction	2.1 Confirm work plan with supervisor 2.2 Select tools and equipment required for the task and check for safe operation 2.3 Organise and transport tools, equipment and materials to the work site 2.4 Confirm and arrange labour requirements if required 2.5 Identify potential hazards and risks, and implement safe working practices to manage risks
3. Construct electric fence	3.1 Select, fit, use and maintain personal protective equipment (PPE) applicable to the task 3.2 Identify and fix electric fence faults 3.3 Construct electric fence according to fencing plan 3.4 Attach and position gates for correct operation and function 3.5 Install energiser according to manufacturer specifications 3.6 Check fencing for correct installation and performance
4. Complete fencing operations	4.1 Clean and tidy work area and dispose of or recycle rubbish and waste material 4.2 Transport, clean, maintain and store tools, fencing equipment and PPE according to workplace procedures 4.3 Identify and report unserviceable tools and equipment according to workplace procedures 4.4 Complete records according to workplace 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	Interpret textual information from a range of sources to identify

Skill	Description
	relevant information about electric fencing requirements
Writing	Use clear language, accurate industry terminology and logical structure to prepare records
Oral communication	Use clear language with supervisor or manager to confirm work plan and priorities
Numeracy	Calculate and measure fencing requirements, and estimate costings of the fencing plan

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCINF306 Plan and construct an electric fence	AHCINF302 Plan and construct an electric fence	Minor changes to application Major and minor changes to performance criteria Foundation skills added Major and minor edits to performance and 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>

Assessment Requirements for AHCINF306 Plan and construct an electric fence

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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 planned and constructed an electric fence on at least one occasion and has:

- developed an electric fencing plan for the workplace
- read and interpreted plans or site maps and marked out fence lines
- applied workplace health and safety requirements, including fitted and used personal protective equipment (PPE)
- recognised and reported workplace health and safety hazards and used safe work practices
- operated fencing tools and construction equipment
- constructed an electric fence that meets fencing plan specifications
- tested and monitored the electric fence for earthing and current flow, resistance and leakage
- cleaned and tidied up work area, stored tools and equipment and disposed of waste.

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:

- relevant state or territory legislation and regulations regarding electric fences
- basic operation of electric fences, including earthing and current flow, resistance and leakage
- differences between portable and mains power
- issues affecting electric fencing in relation to the whole property plan
- fencing plans and site maps relevant to electric fence planning and construction
- range of electric fencing designs, construction methods and materials
- conditions under which electric fences may cause fire
- workplace requirements applicable to health and safety in the workplace for planning and constructing an electric fence, including appropriate use of PPE

- common electric fencing hazards and safety precautions
- safe methods for diagnosing routine faults
- disposal and recycling of waste material, including identification and disposal of hazardous material associated with electric fence planning and construction
- workplace procedures relevant to electric fence planning and construction, and disposing of waste materials.

Assessment Conditions

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

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - fences, electric fencing tools, material and equipment
 - PPE applicable to electric fence planning and construction
- specifications:
 - fencing plans and site maps relevant to electric fence planning and construction
 - workplace health and safety legislation, regulations, codes of practice and workplace procedures relevant to electric fence planning and construction
 - workplace documents, including workplace procedures, processes, instructions and job specifications relevant to electric fence planning and construction
- 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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