



Australian Government

AHCAGB512 Plan and manage infrastructure

Release: 1

AHCAGB512 Plan and manage infrastructure

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0.

Application

This unit of competency describes the skills and knowledge required to plan and manage property infrastructure in agricultural or horticultural production enterprises, including maintaining existing infrastructure, purchasing or constructing new infrastructure or selling or de-commissioning plant and equipment.

This unit applies to farm or enterprise managers who take personal responsibility and exercise autonomy in undertaking complex work. They must analyse information and exercise judgement to complete a range of advanced skilled activities.

All work must be carried out to comply with workplace procedures, work health and safety legislation and codes, and sustainability practices.

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

Pre-requisite Unit

Nil

Unit Sector

Agribusiness (AGB)

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 infrastructure requirements	1.1 Access information regarding the characteristics of products and their respective market requirements 1.2 Confirm characteristics of land under production and production processes used, from colleagues and other planning processes

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify and access organisation data for input to infrastructure planning processes 1.4 Collect and use information from other organisational planning processes to inform infrastructure planning process 1.5 Identify and compare infrastructure required to efficiently achieve targeted production requirements, with those existing and available in the organisation 1.6 Identify workplace health and safety hazards, assess risks and incorporate suitable controls into planning process 1.7 Plan and budget for replacements, improvements, purchases and sales of plant and vehicles 1.8 Ensure details about infrastructure requirements and improvements are built into other organisational planning processes
2. Obtain, prepare or build infrastructure	2.1 Identify solutions to bridge gaps between required and existing infrastructure 2.2 Use a cost benefit analysis to determine preferred solution to infrastructure gaps identified 2.3 Negotiate to obtain infrastructure or componentry at best rate for organisation 2.4 Organise and undertake preparation work required for existing infrastructure 2.5 Plan and commission required works 2.6 Ensure all alterations to infrastructure or new developments give due consideration to environmental and waste management requirements
3. Manage infrastructure	3.1 Determine infrastructure maintenance programs including timelines and responsibilities 3.2 Replace, purchase, sell or decommission infrastructure items according to organisational plans 3.3 Ensure any reallocations of land are undertaken with the planning and consultation required by the organisation, and within all relevant guidelines and regulations 3.4 Manage situations that require unplanned maintenance within organisation guidelines and policy 3.5 Make checks to ensure that program specifications are adhered to

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	and amendments are made where necessary 3.6 Make checks to ensure all workplace health and safety requirements are adhered to including appropriate use of personal protective equipment 3.7 Make checks to ensure potential detrimental environmental impacts are minimised or eliminated
4. Record and manage information	4.1 Analyse data, observations and documentation recorded during production cycle, against infrastructure plan 4.2 Prepare recommendations for future plans based on analysis of data 4.3 Prepare a report that documents the plan's implementation 4.4 Create and maintain records and documentation as described in business plan 4.5 Complete records and documentation clearly and accurately throughout production 4.6 Ensure relevant records are available, accessible, meaningful and useful

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, analyse and extract information from a range of sources
Interact with others	Build and develop networks to support maintenance programs and buying and selling of infrastructure

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCAGB512 Plan and manage infrastructure	AHCAGB502 Plan and manage infrastructure requirements	Title updated Performance criteria clarified Foundation skills added Assessment requirements updated	Equivalent unit

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 AHCAGB512 Plan and manage infrastructure

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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 managed infrastructure requirements for at least one agricultural or horticultural production enterprise, including:

- identified infrastructure requirements for the enterprise
- planned and sourced requirements for at least one infrastructure improvement
- developed an infrastructure maintenance program including scheduling and responsibilities
- recognised potential opportunities to use or install more environmentally efficient systems or equipment
- established a recording system for infrastructure improvement, purchase, construction and maintenance.

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:

- systems for managing maintenance schedules and continuous improvement of infrastructure
- property planning, financial management and enterprise budgeting systems and procedures
- environmental controls and codes of practice relevant to the organisation
- management practices and processes to minimise noise odours and debris from production processes
- current legislation and regulations relating to infrastructure management and workplace health and safety.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - computer-based technology and software used to record information relevant to a primary production business
- specifications:
 - access to relevant regulations and guidelines for infrastructure management and workplace health and safety.

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

Links

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