

Modification history

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

AHCAGB502XX	Plan and manage infrastructure requirements
Application	<p>This unit of competency describes the skills and knowledge required to plan and manage property infrastructure requirements in agricultural or horticultural production enterprises, including maintaining existing infrastructure, purchasing or constructing new infrastructure or selling or decommissioning plant and equipment.</p> <p>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.</p> <p>All work must be carried out to comply with workplace procedures, work health and safety legislation and codes, and sustainability practices.</p> <p>No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Agribusiness (AGB)

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 the products and their respective market requirements 1.2 Confirm characteristics of the land under production and the production processes used, from colleagues and other planning processes 1.3 Identify and access organisation's data for input to infrastructure planning processes 1.4 Collect and use information from other organisational planning processes to inform the infrastructure planning process 1.5 Identify and compare the infrastructure required to efficiently achieve the targeted production requirements, with those existing and available in the organisation 1.6 Identify work health and safety hazards, assess risks and incorporate suitable controls into the planning process 1.7 Plan and budget for replacements, purchases and sales of plant and vehicles 1.8 Ensure details about infrastructure requirements are built into other organisational planning processes
2. Obtain, prepare or build infrastructure	2.1 Identify solutions to bridging the gaps between required and existing infrastructure 2.2 Determine preferred solution to filling gaps in required infrastructure from a cost benefit analysis 2.3 Negotiate to obtain infrastructure or componentry at the best rate for the 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

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Manage infrastructure	<p>3.1 Determine infrastructure maintenance programs including timelines and responsibilities</p> <p>3.2 Replace, purchase, sell or decommission infrastructure items according to organisational plans</p> <p>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</p> <p>3.4 Manage situations that require unplanned maintenance within organisation's guidelines and policy</p> <p>3.5 Make checks to ensure that program specifications are adhered to and amendments are made where necessary</p> <p>3.6 Make checks to ensure that all work health and safety requirements are adhered to including the appropriate use of personal protective equipment</p> <p>3.7 Make checks to ensure that potential detrimental environmental impacts are minimised or eliminated</p>
4. Record and manage information	<p>4.1 Analyse data, observations and documentation recorded during the production cycle, against the infrastructure plan</p> <p>4.2 Prepare recommendations for future plans based on the analysis of the data</p> <p>4.3 Prepare a report that documents the plan's implementation</p> <p>4.4 Create and maintain records and documentation as described in the business plan</p> <p>4.5 Complete records and documentation clearly and accurately throughout production</p> <p>4.6 Ensure relevant records are available, accessible, meaningful and useful</p>

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Interpret, analyse and extract information from a range of sources
Oral communication	<ul style="list-style-type: none"> 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
AHCAGB502XX Plan and manage infrastructure requirements	AHCAGB502 Plan and manage infrastructure requirements	Performance criteria clarified. Foundation skills added. Assessment requirements updated.	Equivalent unit

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

TITLE	Assessment requirements for AHCAGB502XX Plan and manage infrastructure requirements
Performance Evidence	
<p>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:</p> <ul style="list-style-type: none"> • identified infrastructure requirements for the enterprise • sourced, constructed and modified infrastructure to meet enterprise requirements • 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 purchase, construction and maintenance. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • sustainable land use principles and practices • 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 • sustainable land use principles and practices applicable in the region • current legislation and regulations relating to infrastructure management. 	
Assessment Conditions	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated in an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • computer-based technology and software used to record information relevant to a primary production business. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
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