



Australian Government

AHCAGB404 Plan and implement infrastructure improvements

Release: 1

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Modification History

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

Application

This unit of competency describes the skills and knowledge required to plan and implement improvements to property infrastructure, which may include buildings, yards, fences, water supply systems, roads and tracks, and storage systems.

This unit applies to individuals who take responsibility for their own work. They undertake a range of routine and non-routine activities and work in known and changing contexts.

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 the improvement to be carried out	1.1 Discuss possible improvements for the planning period with the relevant stakeholders 1.2 Prioritise improvements and plan schedules in line with property management and strategic plans 1.3 Make allocations from the available budget for the planned

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	improvements
2. Arrange the design of the improvement	2.1 Investigate designs for planned improvement, taking site features into account 2.2 Formulate improvement plan, specifying location and dimensions
3. Plan materials for property improvement	3.1 Calculate materials required for the construction of the improvement from the drawn plans, and discuss with relevant stakeholders 3.2 Obtain quotes from suppliers for the materials, and prepare proposed budget 3.3 Seek approval from management to go ahead with property improvement, based on plans and return on investment 3.4 Select suitable suppliers based on value for money and quality of service 3.5 Place orders with the chosen suppliers for the quantities, sizes and types of materials required
4. Prepare site for installation	4.1 Inspect site, and note key features for the planned property improvement 4.2 Inform all relevant stakeholders of the proposed activities 4.3 Measure and peg selected site according to the prepared plans 4.4 Prepare the site to be ready for the improvement, and take precautions to ensure that adverse environmental impacts are eliminated or minimised 4.5 Identify work health and safety hazards and take responsible action to minimise risks throughout the work
5. Supervise implementation of property improvement	5.1 Obtain all materials required for each work period and ensure they are on site ready for implementation 5.2 Implement property improvement according to the plans and prepared schedules 5.3 Monitor work to minimise adverse environmental impacts and work health and safety risks 5.4 Maintain communication with those working at the site 5.5 Check the work regularly to ensure it complies with the work plans

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	5.6 Dispose of any waste material responsibly 5.7 Take corrective action where required

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
Numeracy	• Uses scales and measurements relevant to property improvement to prepare drawings and sketches • Calculates costs of required materials and labour • Schedules and adjusts timelines for work, as required
Get the work done	• Problem-solves issues as they arise

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCAGB404 Plan and implement infrastructure improvements	AHCAGB401 Plan and implement property improvement	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 AHCAGB404 Plan and implement infrastructure improvements

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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 safely and effectively implemented, at least one property improvement that includes one of the following physical assets:

- buildings
- dairy sheds
- shearing sheds
- shelters
- stock yards
- stock handling structures
- fences
- water supply systems
- roads and tracks
- soil conservation works
- irrigation and drainage channels
- grain and/or produce storage

In doing the above, there must also be evidence of:

- developing and monitoring an improvement plan and schedules
- determining, costing and ordering material requirements
- communicating effectively with stakeholders on infrastructure improvements.

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:

- preparing sites for property improvements
- function and requirements of the physical assets on the property

- sustainable land and water use principles and practices applicable in the region
- environmental controls and codes of practice applicable to the business and to the improvement works
- whole of property plan and property planning cycles
- legislation, regulations and codes of practice relating to soil and water degradation issues, animal health and welfare, chemical use, building construction 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:
 - resources, equipment and materials relevant to the property improvement
- relationships:
 - communication with stakeholders.

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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