



Australian Government

AHCPER314 Read and interpret property maps and plans

Release: 1

AHCPER314 Read and interpret property maps and plans

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to read and interpret property maps and plans, take information from maps and use maps in field situations.

All work is carried out to comply with workplace procedures.

This unit applies to individuals who take responsibility for their own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources.

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

Pre-requisite Unit

Nil.

Unit Sector

Permaculture (PER)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Recognise maps and plans	1.1 Define different types and uses of maps and plans 1.2 Recognise features and characteristics of different maps and plans 1.3 Identify scale 1.4 Define and locate North 1.5 Recognise mapping conventions and common symbols
2. Take off information	2.1 Determine distances and areas from maps and plans

Element	Performance criteria
from maps	2.2 Identify topographic features from maps and plans 2.3 Recognise site boundaries and site structures from maps and plans
3. Use maps in field situations	3.1 Locate current position in the field using landmarks and key geographical features 3.2 Recognise hazards and potential hazards in traversing from location to destination and interpret these from maps or plans, field observations and local knowledge 3.3 Check accuracy of maps or plan content against site features 3.4 Set out contour lines on site from maps or plans 3.5 Locate keylines and key points on map and in the field 3.6 Set out zones or property boundaries using grid system from maps or plans

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

New unit - equivalent to QLD843DES14B.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCPR314 Read and interpret property maps and plans

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- define maps and plans
- determine distances and areas
- identify topographical features
- identify site boundaries and site structures
- use maps to take-off information
- use maps in field situations

Knowledge Evidence

The candidate must demonstrate knowledge of:

- maps and plans
 - paper
 - electronic
 - 3D models of sites, including sand-box models
 - contour models
 - elevations and cross-sections
 - aerial photographs
- the following mapping conventions: symbols, distance and scale, direction, coordinate systems, line and area symbols, true North, grid North and magnetic North
- land survey systems, map projections, colour and symbol systems
- contours, slopes and slope profiles
- keyline and key point locations, as described in *Water for Every Farm* by P.J. Yeomans
- topographic features
- curved planes on flat surface distortions

- means of locating current position in the field, such as:
 - GPS
 - other positioning systems such as the sun, moon and stars
 - compass bearings

Assessment Conditions

Assessors must satisfy current standards for RTOs. Assessors must also hold a nationally accredited Certificate III (or higher) in Permaculture. Completion of a Permaculture Design Course (PDC) is not sufficient at this level.

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