



Australian Government

Assessment Requirements for AHCPER334

Read and interpret property maps and plans

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 9.0.

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 read and interpreted maps and plans for at least five (5) different purposes and has:

- identified map and plan types
- recognised their purpose, features and characteristics
- identified the following for each map and plan:
 - scale and relation to site
 - mapping conventions
 - symbols
- used maps and plans in the field, including:
 - located north and oriented map
 - identified boundaries and structures on map and located in the field
 - identified landmarks and topographic features on map and located in the field
 - determined distances and areas
 - checked accuracy of maps and plans against field observations
- navigated from a starting location to a defined destination
- located and marked location of specific features on site, which must include at least:
 - key points on site where water flow changes from erosional to depositional
 - contour lines joining key points
 - zones or property boundaries using grid system from maps/plans.

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:

- maps and plans used in the industry, including:

- paper
- electronic
- 3D models of sites, including sand-box models
- contour models
- elevations and cross-sections
- aerial photographs
- mapping conventions, including:
 - 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
- key points on site where water flow changes from erosional to depositional, and contour lines joining these key points
- topographic features
- curved planes on flat surface distortions
- means of locating current position in the field, including:
 - satellite navigation systems (SNS)
 - other positioning systems, including sun, moon and stars
 - compass bearings.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated in the field or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools and equipment for navigation
 - a range of maps and plans in different formats used for a range of different purposes
 - references for identification and application of key points for surface water management
- specifications:
 - manufacturer operating instructions for navigation tools and equipment.

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

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

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