



Australian Government

AHCECR307 Read and interpret maps

Release: 1

AHCECR307 Read and interpret maps

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to read and interpret road and topographical maps for navigation or positioning and plotting purposes.

The unit applies to individuals who work under broad direction and take responsibility for their own work. They use discretion and judgement in the selection, allocation and use of available resources and for solving problems.

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

Pre-requisite Unit

Nil

Unit Sector

Ecological Restoration (ECR)

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. Plan a route using a map	1.1 Select maps, equipment and navigation aids and check for accuracy, currency and operational effectiveness for intended use 1.2 Identify relevant symbols, information and navigation on map 1.3 Identify and locate current position in the field on map using geographical features 1.4 Identify and locate required destination on map 1.5 Assess and select route to destination using map data

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.6 Plan a safe route to destination 1.7 Measure and estimate distance to destination using map scale for selected route
2. Navigate using a map	2.1 Navigate and traverse a route according to plan 2.2 Orient the map or plan to surroundings and planned route 2.3 Use navigation aids to assist progress according to manufacturer instructions 2.4 Plan and navigate alternative routes to avoid inefficient route progress
3. Plot sites and locations using maps and Global Positioning System (GPS)	3.1 Identify and locate point on map using landmarks and key geographical features 3.2 Use GPS in conjunction with paper maps and charts according to workplace procedures 3.3 Adjust GPS settings to required datum and measurement units 3.4 Use GPS data to precisely record locations 3.5 Document navigation activity

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	<ul style="list-style-type: none"> Read and interpret symbols and features on maps to assist in navigating routes
Numeracy	<ul style="list-style-type: none"> Perform mathematical calculations to interpret map spatial measurements and determine navigation routes and distances

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCECR307 Read and interpret maps	AHCNAR307 Read and interpret maps	<p>Changed unit code to reflect new unit sector</p> <p>Minor changes to Performance Criteria for clarity</p> <p>Added Performance Criteria to clarify GPS use</p> <p>Removed reference to Core Skills for Work from Foundation Skills</p> <p>Updated Performance Evidence, Knowledge Evidence and Assessment Conditions</p>	Equivalent

Links

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