



Australian Government

AHCLPW410 Produce maps for land management purposes

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 6.0.

Application

This unit of competency describes the skills and knowledge required to access geographical information and incorporate it into maps for use in land management.

The unit applies to individuals whose job role includes preparing maps by hand or by using geographical information systems (GIS) for land management purposes, and applying specialist skills to provide solutions to technical and unpredictable problems. They work autonomously, instruct, and monitor the work of others within a team. They use discretion and judgment in the selection, allocation and use of available resources.

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

Pre-requisite Unit

Nil

Unit Sector

Lands, Parks and Wildlife (LPW)

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. Obtain information for a specific land management purpose	1.1 Define information required from data sets 1.2 Collect and record information from stakeholders consistent with local area management strategy 1.3 Collect temporal and spatial data 1.4 Review information for relevance and accuracy

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Assess data availability	2.1 Ascertain availability of data sets 2.2 Establish intellectual property ownership of data and access requirements 2.3 Obtain data in accordance with industry standards, statutory requirements and enterprise policy 2.4 Develop procedures to capture data
3. Assess data quality	3.1 Assess data for integrity and suitability for task 3.2 Investigate and resolve disparities between data sets
4. Format and present data	4.1 Identify compatible formats for data 4.2 Assemble data elements according to proposed map purpose 4.3 Select data formats to meet user's requirements 4.4 Present information using suitable media 4.5 Present information according to workplace requirements and Australian Standards
5. Incorporate data onto maps	5.1 Use computer applications to manipulate data onto maps 5.2 Produce draft maps showing spatial and temporal data according to land management strategy 5.3 Review and edit maps to ensure accuracy 5.4 Develop a key to identify map elements according to purpose 5.5 Analyse map for data required in land management planning
6. Review stakeholder satisfaction	6.1 Seek feedback on suitability for purpose from stakeholders 6.2 Review and modify map to resolve concerns raised in feedback

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
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Skill	Description
Reading	<ul style="list-style-type: none"> Critically interpret and analyse complex data and information for integration into map of a specific design
Writing	<ul style="list-style-type: none"> Use technology to produce, edit and proofread maps to ensure accuracy, clarity of meaning and consistency of information
Numeracy	<ul style="list-style-type: none"> Extract and manipulate mathematical information from data sets to produce accurate maps for scale and distances

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLPW410 Produce maps for land management purposes	AHCLPW404 Produce maps for land management purposes	<p>Updated Application</p> <p>Minor edits to Performance Criteria for clarity and brevity</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>