



Australian Government

AHCLPW404 Produce maps for land management purposes

Release: 1

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Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

Application

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

This unit applies to those whose job role includes preparing maps by hand or by using geographical information systems (GIS) for land management purposes.

This unit applies to individuals who have limited responsibilities for others in known and changing contexts.

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

Lands, Parks and Wildlife (LPW)

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. Obtain information for a specific land management purpose	1.1 Define information required from data sets 1.2 Collect and present information from stakeholders on land management and production systems consistent with the local area management strategy 1.3 Collect information to include temporal and spatial data 1.4 Review information for relevance and accuracy
2. Assess data availability	2.1 Ascertain availability of required data sets from internal and

Element	Performance criteria
	external sources 2.2 Confirm ownership of data and determine access and pricing 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 to determine 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 relevant data elements 4.3 Select data formats to meet user's requirements 4.4 Present information using suitable media 4.5 Present information in accordance with appropriate enterprise requirements and Australian standards
5. Incorporate data onto maps	5.1 Use range of computer applications to transfer information from various data sources onto maps 5.2 Produce draft maps showing spatial and temporal data consistent with development and implementation of the land management strategy 5.3 Review and edit maps to confirm accuracy and develop a map key to identify natural resource features, structures and land uses 5.4 Analyse maps for data to assist in development or implementation of land management plan
6. Review customer satisfaction	6.1 Seek feedback from users regarding satisfaction with information and presentation 6.2 Resolve any areas of dissatisfaction 6.3 Analyse and use customer feedback as a quality improvement tool

Foundation Skills

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

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCLPW404A Produce maps for land management purposes.

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 AHCLPW404 Produce maps for land management purposes

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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:

- source data sets that provide the required information
- validate the data for currency and compare to ground observations
- present data to workplace requirements
- incorporate data onto a map
- use drafting and editing processes to ensure accuracy of data and maps and to ensure reports and maps meet organisational standards
- provide a map key and any supporting information required
- evaluate maps for suitability for purpose and value in making land management decisions

Knowledge Evidence

The candidate must demonstrate knowledge of:

- land management processes relevant to map being prepared
- mapping principles and conventions including layout, legends, scale, media, printing and presentation styles
- use of software and hardware such as GIS, computer-aided design (CAD), desktop publishing, desktop mapping, multimedia, graphic animation, plotters and printers

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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