



Australian Government

Assessment Requirements for 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.

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 produced at least one map, for any three of the following land management purposes:

- land use map
- vegetation or fauna survey map
- walking trail
- cultural heritage site map
- fishing or fishing exclusion map or chart
- land or sea navigation map or chart
- fire trail or fire management map
- other map specified by workplace.

There must be evidence that the individual has:

- sourced data sets that provide the required information, ensuring data complies with intellectual property (IP) and copyright legislation
- validated data for currency and compared to ground observations
- presented data according to workplace requirements
- incorporated data onto a map
- used computer software for drafting and editing maps and checking and managing data according to workplace standards
- provided a map key and any supporting information required
- reviewed and assessed maps suitability for purpose and value with stakeholders.

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:

- types of mapping and mapping styles for use in land management and production systems

- sources of information and data sets required for map development:
 - spatial data
 - temporal data
 - internally generated data
 - external data sets and IP and copyright
 - access and restrictions
- equipment used for obtaining and checking mapping data, including:
 - cameras, scanners and drones for capturing digital images
 - basic survey equipment for checking direction and distances
 - global positioning systems (GPS)
 - computers for accessing satellite and other data sets
- land management processes relevant to map being prepared
- mapping principles and conventions, including:
 - layout
 - keys and legends
 - scale
 - media
 - printing and presentation styles
- use of software and hardware, including:
 - GPS
 - geographic information systems (GIS)
 - computer-aided design (CAD)
 - desktop publishing
 - desktop mapping
 - multimedia and graphic animation
 - plotters and printers
- assessing and evaluating processes for map and map design, including:
 - soliciting feedback from stakeholders
 - analysing and integrating feedback in map editing.

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 a land management environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - digital technology with mapping and data access software
 - basic survey equipment for verifying mapping data

- specifications:
 - workplace policies, procedures, processes for mapping tasks
 - workplace specifications for mapping requirements
 - specific standards for map making.

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>