



Australian Government

Assessment Requirements for AHCNRM513 Manipulate and analyse data within geographic information systems

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 Release 11.0.

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 extracted, compared and manipulated data within geographic information systems (GIS) on at least two occasions, and has:

- developed and documented suitable procedures for data collection, manipulation and analysis
- used or created appropriate models
- used operating systems and computer applications for data analysis and report writing, according to workplace requirements
- prepared data presentations in required format.

Knowledge Evidence

An individual must be able to demonstrate knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- database structures
- scripting and commands
- line instructions and programming
- operating systems used by workplace for data analysis and storage, including:
 - UNIX
 - DOS
 - Windows
 - NT
- range of tools, models, theories, applications and solutions
- data analysis and manipulation techniques
- data reporting and presentation formats.

Assessment Conditions

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

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - GIS data
 - hardware and software applicable to GIS systems
- time frames:
 - according to job requirements.

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>