



**Australian Government**

**Assessment Requirements for AHCAGB509  
Select and implement a Geographic  
Information System (GIS) for sustainable  
agricultural systems**

**Release: 1**

# Assessment Requirements for AHCAGB509 Select and implement a Geographic Information System (GIS) for sustainable agricultural systems

## Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

## 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:

- identify a range of software systems and how to apply them into a production system
- interpret production and land management maps to apply into everyday farming management
- identify erosion, soil management techniques, salinity, farming systems, bio-diversity and weeds by using GIS
- apply solutions to erosion, soil management techniques, salinity, farming systems, bio-diversity and weeds using GIS
- manage and co-ordinate work teams using GIS and associated technology
- complete a cost and benefits analysis
- use a computer, including computer aided drafting
- analysis digital map images
- communicate with staff and other parties on instruction and training in the use of GIS
- use self-diagnosis manuals to identify technical systems faults.

## Knowledge Evidence

The candidate must demonstrate knowledge of:

- financial management and strategic planning benefits from the implementation of a GIS
- legal concepts on the gathering of data to be used in GIS applications
- GIS applications and associated technology
- mapping principles of GIS
- computer concepts
- spatial calculations using GIS.

## Assessment Conditions

Competency is to be assessed in the workplace or simulated environment that accurately reflects performance in a real workplace setting.

Assessors must satisfy current standards for RTOs.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>