



Australian Government

Assessment Requirements for AHCARB405 Perform geospatial data collection

Release: 1

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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 demonstrate:

- determining technical and business requirements for geospatial data collection
- determining suitability and requirements of using geographical information system (GIS)
- determining suitability of software application for intended purpose
- consider features of remote positioning and satellite shadow reduction
- considering end-to-end capability as required
- determining asset management requirements
- considering functional ease-of-use, mobility and reliability
- evaluate future-proofed solutions and outcomes
- selecting geospatial data collection equipment
- completing relevant start-up procedures
- determining operational data fields
- determining data tables and associated attributes
- configuring fields for operational use
- undertaking functional testing of hand held device for connectivity
- using co-ordinates to locate designated trees
- correcting co-ordinate data at tree site visually as required
- updating and correcting tree attribute data as required
- collecting and entering data
- checking data for accuracy for post-processing
- downloading business data
- processing business data
- analysing data with appropriate techniques
- use of industry standard terminology to describe.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- geospatial data
- collection of geospatial data
- technical and business requirements for geospatial data collection
- suitable software applications for using geospatial data
- remote positioning
- satellite shadow reduction
- end-to-end capability
- asset management
- attributes of functional ease-of-use, mobility and reliability
- geospatial data collection equipment
- configuring data fields
- global positioning system (GPS)
- latitude and longitude co-ordinates
- start-up procedures
- data fields
- data tables
- tree attribute data
- data entry
- data processing.

Assessment Conditions

Assessment must be demonstrated consistently over time in a suitable range of contexts and have a productivity-based outcome. No single assessment event or report is sufficient to achieve competency in this unit.

Assessment may be conducted in a simulated or real work environment, however determination of competency requires the application of work practices under work conditions.

The mandatory equipment and materials used to gather evidence for assessment include:

- equipment:
 - GIS data collection equipment
 - computer and software
 - internet connection
- materials:
 - data operations form

Assessors must satisfy current standards for RTOs in the assessment of arboriculture units of competency.

Assessment must be conducted only by persons who have:

- arboriculture vocational competencies at least to the level being assessed
- current arboriculture industry skills directly relevant to the unit of competency being assessed

Links

Companion Volume implementation guides are found in VETNet -

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