Assessment Requirements for AHCLPW201 Operate a handheld GPS device

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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, on at least one occasion, operated a handheld Global Positioning System (GPS) unit and software-based GPS on handheld portable devices, and has:

- navigated settings on the GPS/tablet to change datum, coordinate system and units
- adjusted display parameters to suit operating conditions
- managed power supply for portable devices
- identified and followed workplace health and safety procedures for fieldwork and reported unsafe situations to supervisor
- collected, used and stored GPS information in the field, including:
  - recorded and labelled points
  - recorded and labelled tracks
  - navigated to points
  - created a route using recorded waypoints
  - navigated a route
- used basic software to retrieve, manipulate, display and store GPS data, including:
  - edited symbols, labels and names
  - added notes and other information
  - created routes from waypoints and tracks
  - created and edited files and datasets of spatial information
  - used data to modify/update support dataset for future work
- used software to create simple visual reports for data interpretation and display
- decommissioned and stored GPS equipment, including:
  - updated retained dataset on device and checked labels/names
  - removed temporary and superfluous data from the device
  - restored settings according to workplace standards

- removed batteries.

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:

- basic GPS function, principles and limitations of the technology
- a range of portable GPS devices
- a range of supporting devices and software, including:
  - chargers and power banks
  - laptops and tablets
  - memory cards
- mapping and reporting software, including stand-alone and web-based applications
- operational parameters, including:
  - datum
  - coordinate system
  - units
  - naming protocols
- sources of error in GPS
- enterprise procedures and practice for GPS operations.

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 the field or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - handheld GPS device, phone or tablet with GPS capability
  - software for using a GPS and manipulating data
- specifications:
  - workplace procedures for use, storage and data management of handheld GPS device.

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