



**Australian Government**

# **AHCLPW201 Operate a handheld GPS device**

**Release: 1**

## AHCLPW201 Operate a handheld GPS device

### Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

### Application

This unit of competency describes the skills and knowledge required to operate a handheld Global Positioning System (GPS) device, including tablet and phone-based GPS systems, and record and use spatial information relating to points, tracks and routes.

The unit applies to individuals who work under general supervision and exercise limited autonomy with some accountability for their own work. This includes undertaking defined activities and work in a structured context.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

### Pre-requisite Unit

Nil

### Unit Sector

Lands, Parks and Wildlife (LPW)

### Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan GPS operations	1.1 Identify purpose and use of the GPS and data collected from supervisor instructions 1.2 Prepare equipment and materials for GPS operations 1.3 Identify key operational parameters, and adjust GPS device settings according to operator manual 1.4 Source and upload support data to GPS device

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Plan power supply strategy for field operations 1.6 Assist with the identification of fieldwork health and safety hazards, and apply controls according to supervisor instructions and workplace procedures
2. Collect, use and store GPS information in the field	2.1 Establish accuracy of device for current position 2.2 Clear GPS logs to establish starting point for temporal data sequence 2.3 Operate handheld device to perform basic functions and record spatial and temporal data 2.4 Manage power supply for portable devices for field operations
3. Use basic software to retrieve, manipulate, display and store GPS data	3.1 Select software required for GPS data manipulation 3.2 Upload/sync GPS data from handheld device 3.3 Sort and categorise data for storage according to workplace requirements 3.4 Manipulate and edit data and data sets according to software procedures 3.5 Create simple visual reports for data interpretation and display
4. Shut down, maintain and store handheld GPS equipment	4.1 Turn off GPS device and prepare for storage 4.2 Record GPS use and identified faults according to workplace procedures 4.3 Clean and store GPS device

## Foundation Skills

*This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.*

<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Interpret instructions from supervisor and GPS operator's manual to effectively upload required GPS data, operate GPS equipment and download data requested</li> </ul>

Skill	Description
Writing	<ul style="list-style-type: none"> <li>Record and upload data using protocols for data transfer</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLPW201 Operate a handheld GPS device	Not applicable	The unit has been created to address an emerging skill or task required by industry	Newly created

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>