



Australian Government

Assessment Requirements for AHCLPW309 Operate remotely piloted system for conservation work

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 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 remotely piloted system for conservation and land management work according to legislative and regulatory requirements.

There must also be evidence that the individual has:

- confirmed operational objectives, parameters and regulatory requirements with supervisor
- interpreted workplace procedures for operation of remotely piloted system (RPS)
- selected and prepared RPS equipment and resources
- maintained and transported RPS equipment to operations site
- checked RPS equipment for correct operation
- adjusted settings on RPS, controller and attachments according to operations plan and operational route objectives, including:
 - lens and camera adjustments for imaging objectives
 - adjustments of attachments
 - operational route perimeter and altitude
 - automated responses
 - safety factors
- operated RPS according to regulations, safe operating procedures and route plan
- monitored, recorded and reported operational information, incidents and unplanned events
- downloaded, sorted, labelled and stored digital and route data
- shut down, disassembled and stored RPS according to operator instructions and workplace procedures
- reported on operation.

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:

- regulations and the expectations of stakeholders in the area of operation
- permissions, permits and authorisation required for use of RPS in different land management settings
- workplace procedures and safe operating principles for operation of RPS
- RPS system components, controllers, cameras and other attachments and their safe operation
- calibration of RPS system components
- computing hardware and software to support RPS operation
- planning processes, including:
 - assessments of hazards, risk, and risk control
 - terrain
 - weather conditions
 - operational limitations
- transport and storage of remotely piloted systems equipment, including efficient use, recharge and storage of batteries
- operations for which RPS are commonly used in land management, including:
 - photography and videography
 - collecting samples from inaccessible sites
 - pest and weed control operations
 - monitoring and mapping activities
 - search and rescue operations
- recording, processing and storing data collected by RPS, including:
 - digital photographs and videos
 - operational route information
 - geographic information system (GIS) data
- reporting and recording methods and procedures.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated on a conservation and ecosystem management site
- resources, equipment and materials:
 - RPS and attachments specified in the operations plan
 - tools and equipment for assembling and maintaining the RPS
 - specific items of personal protective equipment
- specifications:

- workplace policies and procedures for operating and reporting on RPS use
- manufacturer operating instructions for RPS and attachments
- RPS operations plan
- regulations relating to the RPS
- relationships:
 - supervisor/controller
- timeframes:
 - according to times specified in operations plan and permits.

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>