



Australian Government

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.

Application

This unit of competency describes the skills and knowledge required to operate remotely piloted systems (RPS) for support, imaging and management for conservation work.

The unit applies to individuals who work under broad direction and take responsibility for their own work, including limited responsibility for the work of others. They use discretion and judgement in the selection and use of available resources.

Commonwealth, state/territory and local government licensing, legislative or certification requirements may apply to the use of RPS. Users are advised to check with the relevant regulatory authority.

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. Determine operational plan for use of remotely piloted system	1.1 Clarify and confirm objectives of RPS operations plan 1.2 Confirm location and operational route of system 1.3 Identify operating conditions and hazards, assess risk and implement controls according to workplace health and safety procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Select equipment and materials required for RPS operations 1.5 Confirm workplace operating procedure to be followed with supervisor/controller 1.6 Verify licences, permits and agreements have been approved for operations according to workplace procedures and regulatory requirements
2. Prepare and transport equipment and resources	2.1 Assemble equipment and materials required for RPS operations 2.2 Check equipment for correct operations and functionality according to operator instructions 2.3 Clean and maintain RPS ready for use, and rectify faults 2.4 Transport equipment to site/s and prepare for operation 2.5 Set parameters for RPS according to operations plan and operational route 2.6 Test and calibrate equipment under field conditions in preparation for operation
3. Commence use of piloted system	3.1 Operate RPS according to safe operating procedures (SOP), planned route and regulatory requirements 3.2 Monitor and record operations 3.3 Perform RPS tasks according to RPS operations plan 3.4 Record and report incidents and unplanned events to supervisor/controller
4. Finalise operation of remotely piloted system for conservation work	4.1 Shut down and disassemble RPS according to operator instructions 4.2 Process data files 4.3 Maintain and store RPS according to workplace procedures 4.4 Report results of RPS operations according to workplace procedures

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.

Skill	Description
Reading	Interpret maps, charts and plans for determining operational route of RPS
Numeracy	Interpret and manipulate distances, altitude/depth and speed for determining operating parameters of RPS and inputting operational route into devices

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLPW309 Operate remotely piloted system for conservation work	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>