Australian Government

AVIH0008 Operate remote pilot aircraft systems in extended visual line of sight (EVLOS)

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to operate remote pilot aircraft systems (RPAS) in extended visual line of sight (EVLOS) in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes operating and managing RPAS during normal flight and managing RPAS during abnormal and emergency procedures.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to equipment and system operations of flight or ground operations personnel and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of commercial and military aircraft activities across a variety of operational contexts within the Australian aviation industry.

Work is performed independently or under limited supervision within a single-pilot or multi-crew RPAS environment.

Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Pre-requisite Unit

Not applicable.

Competency Field

W – Equipment and Systems Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Operate RPAS during normal flight	1.1 Command controls systems are checked and tested for the range of operation
	1.2 Crew resources are managed prior to operations including observer briefings
	1.3 RPAS, sub-systems and devices are operated to achieve operational requirements
	1.4 RPAS, sub-systems and devices are monitored using a systematic scan technique
	1.5 RPAS and flight environment information is analysed to identify actual and potential threats or errors
	1.6 RPAS automation is utilised to manage control station workload
	1.7 Checklist procedures are implemented during normal RPAS operations
2 Operate RPAS during abnormal and emergency procedures	2.1 Abnormal or emergency situations are identified, diagnosed and communicated
	2.2 RPAS control is maintained at all times
	2.3 RPAS abnormal or emergency checklist procedures are implemented to maintain safety of flight
	2.4 Course of action is decided, implemented, evaluated and revised to achieve safest outcomes
	2.5 Location and operation of emergency systems applicable to RPAS are explained

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work

environment.

Unit Mapping Information

No equivalent unit.

Links

AVI Training Package Companion Volume Implementation Guide available on VET Net: - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816

Australian Industry Standards