AVIW3037 Manage remote pilot aircraft systems pre- and post-flight actions

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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 manage remote pilot aircraft systems (RPAS) pre-and post-flight actions, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes completing pre- and post-flight administration, performing pre- and post-flight actions/inspection, and performing and recording pre-flight inspections.

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 recreational, 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.

Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

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	Complete pre- and post-flight administration	1.1	Information about RPAS is obtained, read and used to guide work as required
		1.2	Pre- and post-flight planning and documentation is completed
		1.3	Remote aircraft weight and balance is confirmed
		1.4	Pre- and post-flight maintenance release and flight administration documentation is completed
		1.5	RPAS serviceability is determined by approved maintenance inspection
		1.6	Certification of inspection for maintenance release is completed
2	Perform pre- and post-flight actions/ inspection	2.1	Equipment and documentation is identified and carried in accordance with regulatory requirements
		2.2	Internal and external checks are completed in accordance with approved checklist
		2.3	RPAS is secured in accordance with manufacturer specifications and organisational procedures
3	Perform and record pre-flight inspection	3.1	Pre-flight inspection of RPAS is performed in accordance with original equipment manufacturer (OEM) documentation and operations manual
		3.2	Appropriate actions are undertaken to rectify discrepancies and are recorded
		3.3	Pre-flight inspection is recorded in accordance with operations manual

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.

Production methods for flight plans must include one or more of the following:	• automated flight planning systems • manual planning methods
Pre-flight planning must include:	• availability of consumables en route and/or at destination • consumables required for flight
Information must include one or more of the following:	• aeronautical charts • aircraft flight manual (AFM) • approved checklists • conditions of service, legislation and industrial agreements including workplace agreements and awards • En Route Supplement Australia (ERSA) • flight and technical log • induction and training materials • maintenance release • meteorological forecasts • Notice to Airmen (NOTAM) • relevant Defence Orders and Instructions • operations manuals • relevant sections of Civil Aviation Safety Regulations (CASRs) and Civil Aviation Orders related to RPAS operations • workplace procedures and instructions, and job specification

Unit Mapping Information

This unit replaces and is equivalent to AVIW3037A Manage remote pilot aircraft systems (RPAS) pre- and post-flight actions.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816