Australian Government

AVIW0009 Conduct aerial delivery/retrieval operations using remote piloted aircraft systems

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 conduct aerial delivery/retrieval operations using remote piloted aircraft systems (RPAS) in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

This unit addresses aviation technical skill requirements (physical, mental and task management abilities) related to air traffic control (ATC) duties that complement the non-technical skills of air traffic controllers and contributes to safe and effective performance in complex aviation operational environments.

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

Work is performed independently or under limited supervision as a single operator or within a team environment.

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

Pre-requisite Unit

Not applicable.

Competency Field

Y – Aircraft operation

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential	Performance criteria describe the performance needed to

outcomes.		demonstrate achievement of the element.
1 Prepare for delivery and retrieval	1.1	External load characteristics and dimensions are determined and calculated
	1.2	Aerial delivery equipment is prepared and checked as required in accordance with equipment manuals and publications
	1.3	Remote pilot aircraft connection system is prepared and checked
	1.4	Safety hazards are identified and addressed using established procedures
	1.5	Remote pilot aircraft power availability is calculated to transport load effectively
	1.6	Wind speed and direction are determined which may affect operation
	1.7	Load-lifting location and surrounds are checked for suitability
	1.8	Plan for delivery/retrieval is followed
2 Perform load delivery/retrieval operation	2.1	Remote piloted aircraft operational checks are conducted
	2.2	Load is connected/released to/from remote pilot aircraft using appropriate operational method
	2.3	Situational awareness of RPAS load stability and aircraft flight performance is maintained
	2.4	External load is delivered/retrieved at nominated delivery point
	2.5	Operation documentation is completed to organisational standards
3 Respond to external load operational emergencies and abnormal situations	3.1	External load operational emergencies are identified, diagnosed and communicated
	3.2	External load operational emergency or remedial actions are undertaken to maintain safety of flight

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