AVIY3074 Launch remote pilot aircraft systems

Release: 1

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Modification History

Release 1. This is the first release of this qualification in the TLI Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to launch remote pilot aircraft systems (RPAS), in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority and national operating standards.

It includes carrying out pre-launch procedures, taking off RPAS and responding to launch emergencies.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aircraft operational duties of flight crew and ground 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

Y – Aircraft Operation and Traffic Management

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 Carry out pre-launch procedures	1.1 Pre-launch briefing is conducted
	1.2 Fail-safe checks are undertaken in accordance with aircraft flight manual (AFM) and company operations manual
	1.3 Obstacle clearance calculations are completed as required
	1.4 Air traffic control clearances are obtained as required
	1.5 Approved pre-launch checklists are completed in accordance with AFM and company operations manual
	1.6 RPAS is correctly positioned for launch
	1.7 Airspace is determined as clear for launch
2 Take off RPAS	2.1 Launch power is applied and RPAS is maintained, aligned in the launch direction
	2.2 RPAS is configured for nominated climb profile as required
	2.3 Situational awareness, lookout and air traffic separation is maintained
	2.4 Listening watch is maintained in accordance with regulatory requirements
	2.5 Communication with others as appropriate is undertaken when launching an RPAS
	2.6 After launch checks are performed in accordance with workplace policies and procedures
3 Respond to launch emergencies	3.1 Abnormal RPAS operations are identified
	3.2 RPAS power settings are adjusted as required
	3.3 Control is maintained to bring RPAS to a safe recovery
	3.4 Associated emergency procedures are initiated, and checklists and other documentation are completed

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

This unit replaces and is equivalent to AVIY3074A Launch remote pilot aircraft (RPAS).

Links

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